

AD-757 105

ARCTIC SITE SURVEY. PART II, CONTINUED

T. S. Chow

Aerophysics Research Corporation

Prepared for:

Office of Naval Research  
Advanced Research Projects Agency

15 March 1973

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AD 757105

ARPA Order Number  
1779/dtd. 11-16-71

Contract Number  
N00014-72-C-335

Program Code Number  
2N10

Principal Investigator & Ph #  
T. S. Chow (206) 454-6927

Name of Contractor  
Aerophysics Research Corporation

Scientific Officer  
Director, Arctic Program  
Earth Sciences Division  
Office of the Naval Research  
Dept. of the Navy  
800 N. Quincy Street  
Arlington, Virginia 22217

Effective Date of Contract  
April 1, 1972

Contract Expiration Date  
December 31, 1972

Short Title of Work  
ARCTIC SITE SURVEY  
(Part II)

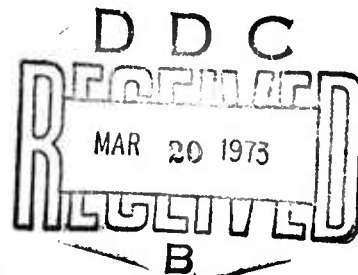
Amount of Contract  
\$ 63638.00

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15 March 1973

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ARPA Order No.  
1779/dtd. 11-16-71

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DISTRIBUTION STATEMENT A  
Approved for public release;  
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SOURCE LEVEL= 410.00		SOURCE NO	1	GROUP	2	
RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS	BOTTOM LEVEL		
1.49717E+06	100.00	5.09626E-13	100.27	12579		
1.49717E+06	200.00	1.03442E-12	97.195	12579		
1.49717E+06	400.00	1.58254E-12	95.348	12579		
1.49717E+06	600.00	2.14364E-12	94.030	12579		
1.49717E+06	800.00	2.70668E-12	93.017	12579		
1.49717E+06	1000.0	3.26057E-12	92.209	12579		
1.49717E+06	1500.0	3.74897E-12	91.602	12579		
1.49717E+06	2000.0	4.13296E-12	91.179	12579		
1.49717E+06	3000.0	4.32360E-12	90.983	12579		
1.49717E+06	4000.0	4.47750E-12	90.831	12579		
2.37579E+06	100.00	1.38741E-13	105.87	12342		
2.37579E+06	200.00	2.82356E-13	102.78	12342		
2.37579E+06	400.00	4.34413E-13	100.91	12342		
2.37579E+06	600.00	5.93007E-13	99.559	12342		
2.37579E+06	800.00	7.56146E-13	98.503	12342		
2.37579E+06	1000.0	9.21869E-13	97.643	12342		
2.37579E+06	1500.0	1.08651E-12	96.929	12342		
2.37579E+06	2000.0	1.24221E-12	96.348	12342		
2.37579E+06	3000.0	1.36928E-12	95.925	12342		
2.37579E+06	4000.0	1.46930E-12	95.618	12342		
3.29198E+06	100.00	5.89140E-14	108.39	6627.2		
3.29198E+06	200.00	1.22156E-13	105.22	6627.2		
3.29198E+06	400.00	1.92185E-13	103.25	6627.2		
3.29198E+06	600.00	2.65768E-13	101.85	6627.2		
3.29198E+06	800.00	3.39212E-13	100.79	6627.2		
3.29198E+06	1000.0	4.08949E-13	99.975	6627.2		
3.29198E+06	1500.0	4.59073E-13	99.473	6627.2		
3.29198E+06	2000.0	4.88541E-13	99.203	6627.2		
3.29198E+06	3000.0	5.06789E-13	99.044	6627.2		
3.29198E+06	4000.0	5.32549E-13	98.829	6627.2		

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SOURCE LEVEL= 410.00		SOURCE NO	GROUP	2	TR LOSS	BOTTOM LEVE
RANGE	RECEIVER DEPTH	INTENSITY				
3.06528E+06	100.00	6.51467E-13			99.133	12444
3.06528E+06	200.00	1.32488E-12			96.050	12444
3.06528E+06	400.00	2.03468E-12			94.187	12444
3.06528E+06	600.00	2.76940E-12			92.848	12444
3.06528E+06	800.00	3.51638E-12			91.811	12444
3.06528E+06	1000.0	4.26240E-12			90.976	12444
3.06528E+06	1500.0	4.95088E-12			90.325	12444
3.06528E+06	2000.0	5.52103E-12			89.852	12444
3.06528E+06	3000.0	5.80627E-12			89.633	12444
3.06528E+06	4000.0	5.90232E-12			89.562	12444
3.48955E+06	100.00	1.50480E-13			104.91	8939.6
3.48955E+06	200.00	3.09074E-13			101.78	8939.6
3.48955E+06	400.00	4.81128E-13			99.862	8939.6
3.48955E+06	600.00	6.62040E-13			98.476	8939.6
3.48955E+06	800.00	8.46442E-13			97.408	8939.6
3.48955E+06	1000.0	1.02868E-12			96.562	8939.6
3.48955E+06	1500.0	1.18338E-12			95.953	8939.6
3.48955E+06	2000.0	1.29196E-12			95.572	8939.6
3.48955E+06	3000.0	1.32255E-12			95.470	8939.6
3.48955E+06	4000.0	1.32702E-12			95.456	8939.6
2.44635E+06	100.00	1.29666E-12			96.252	12767
2.44635E+06	200.00	2.62202E-12			93.194	12767
2.44635E+06	400.00	3.98678E-12			91.375	12767
2.44635E+06	600.00	5.36531E-12			90.085	12767
2.44635E+06	800.00	6.73136E-12			89.100	12767
2.44635E+06	1000.0	8.05961E-12			88.318	12767
2.44635E+06	1500.0	9.20142E-12			87.742	12767
2.44635E+06	2000.0	1.00822E-11			87.345	12767
2.44635E+06	3000.0	1.05075E-11			87.166	12767
2.44635E+06	4000.0	1.07591E-11			87.063	12767

2.14987E+06	100.00	1.74285E-12	95.126	13901
2.14987E+06	200.00	3.53149E-12	92.059	13901
2.14987E+06	400.00	5.39236E-12	90.221	13901
2.14987E+06	600.00	7.29699E-12	88.907	13901
2.14987E+06	800.00	9.21486E-12	87.894	13901
2.14987E+06	1000.0	1.11149E-11	87.080	13901
2.14987E+06	1500.0	1.28442E-11	86.452	13901
2.14987E+06	2000.0	1.42676E-11	85.995	13901
2.14987E+06	3000.0	1.49862E-11	85.782	13901
2.14987E+06	4000.0	1.52436E-11	85.708	13901

4.04348E+06	100.00	8.21742E-15	117.54	9132.9
4.04348E+06	200.00	1.68199E-14	114.43	9132.9
4.04348E+06	400.00	2.60336E-14	112.53	9132.9
4.04348E+06	600.00	3.56081E-14	111.17	9132.9
4.04348E+06	800.00	4.52666E-14	110.13	9132.9
4.04348E+06	1000.0	5.47328E-14	109.30	9132.9
4.04348E+06	1500.0	6.27424E-14	108.71	9132.9
4.04348E+06	2000.0	6.86975E-14	108.31	9132.9
4.04348E+06	3000.0	7.21959E-14	108.10	9132.9
4.04348E+06	4000.0	7.55224E-14	107.90	9132.9

3.07938E+06	100.00	7.47991E-14	108.31	11018
3.07938E+06	200.00	1.51861E-13	105.23	11018
3.07938E+06	400.00	2.32261E-13	103.39	11018
3.07938E+06	600.00	3.14255E-13	102.07	11018
3.07938E+06	800.00	3.96020E-13	101.07	11018
3.07938E+06	1000.0	4.75778E-13	100.27	11018
3.07938E+06	1500.0	5.44070E-13	99.690	11018
3.07938E+06	2000.0	5.95751E-13	99.296	11018
3.07938E+06	3000.0	6.17857E-13	99.138	11018
3.07938E+06	4000.0	6.25999E-13	99.081	11018

SOURCE LEVEL= 410.00		GROUP 2		SOURCE NO 3		TR LOSS		BOTTOM LEVEL	
RANGE	RECEIVER DEPTH	INTENSITY							
4.57649E+06	100.00	3.61743E-14				111.54		11099	
4.57649E+06	200.00	7.43593E-14				108.41		11099	
4.57649E+06	400.00	1.16344E-13				106.47		11099	
4.57649E+06	600.00	1.61724E-13				105.04		11099	
4.57649E+06	800.00	2.09982E-13				103.91		11099	
4.57649E+06	1000.0	2.60506E-13				102.97		11099	
4.57649E+06	1500.0	3.13644E-13				102.16		11099	
4.57649E+06	2000.0	3.64836E-13				101.51		11099	
4.57649E+06	3000.0	4.01312E-13				101.09		11099	
4.57649E+06	4000.0	4.19830E-13				100.90		11099	
4.77927E+06	100.00	1.99699E-14				114.39		12922	
4.77927E+06	200.00	4.05582E-14				111.31		12922	
4.77927E+06	400.00	6.21695E-14				109.46		12922	
4.77927E+06	600.00	8.44883E-14				108.13		12922	
4.77927E+06	800.00	1.07177E-13				107.09		12922	
4.77927E+06	1000.0	1.29896E-13				106.26		12922	
4.77927E+06	1500.0	1.51334E-13				105.60		12922	
4.77927E+06	2000.0	1.70094E-13				105.09		12922	
4.77927E+06	3000.0	1.82588E-13				104.78		12922	
4.77927E+06	4000.0	1.90578E-13				104.59		12922	
2.37303E+06	100.00	3.98264E-13				101.13		11416	
2.37303E+06	200.00	8.18440E-13				97.998		11416	
2.37303E+06	400.00	1.27966E-12				96.057		11416	
2.37303E+06	600.00	1.77675E-12				94.632		11416	
2.37303E+06	800.00	2.30299E-12				93.505		11416	
2.37303E+06	1000.0	2.85033E-12				92.579		11416	
2.37303E+06	1500.0	3.41007E-12				91.800		11416	
2.37303E+06	2000.0	3.92422E-12				91.191		11416	
2.37303E+06	3000.0	4.23755E-12				90.857		11416	
2.37303E+06	4000.0	4.36510E-12				90.728		11416	

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SOURCE LEVEL= 410.00 SOURCE NO 4 GROUP 2

RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS	BOTTOM LEV
2.41018E+06	100.00	7.35995E-14	108.54	11936
2.41018E+06	200.00	1.49037E-13	105.48	11936
2.41018E+06	400.00	2.27028E-13	103.65	11936
2.41018E+06	600.00	3.05956E-13	102.36	11936
2.41018E+06	800.00	3.84159E-13	101.37	11936
2.41018E+06	1000.0	4.60030E-13	100.58	11936
2.41018E+06	1500.0	5.24278E-13	100.02	11936
2.41018E+06	2000.0	5.72267E-13	99.635	11936
2.41018E+06	3000.0	5.91395E-13	99.493	11936
2.41018E+06	4000.0	5.97309E-13	99.450	11936
1.63902E+06	100.00	3.05895E-13	102.62	13486
1.63902E+06	200.00	6.19037E-13	99.562	13486
1.63902E+06	400.00	9.42897E-13	97.734	13486
1.63902E+06	600.00	1.27203E-12	96.434	13486
1.63902E+06	800.00	1.60074E-12	95.435	13486
1.63902E+06	1000.0	1.92338E-12	94.638	13486
1.63902E+06	1500.0	2.20892E-12	94.037	13486
1.63902E+06	2000.0	2.43614E-12	93.612	13486
1.63902E+06	3000.0	2.54219E-12	93.427	13486
1.63902E+06	4000.0	2.57803E-12	93.366	13486
2.14931E+06	100.00	3.18455E-13	100.61	5208.4
2.14931E+06	200.00	6.64516E-13	97.414	5208.4
2.14931E+06	400.00	1.05123E-12	95.423	5208.4
2.14931E+06	600.00	1.45330E-12	94.016	5208.4
2.14931E+06	800.00	1.84321E-12	92.984	5208.4
2.14931E+06	1000.0	2.19711E-12	92.221	5208.4
2.14931E+06	1500.0	2.41291E-12	91.814	5208.4
2.14931E+06	2000.0	2.51593E-12	91.633	5208.4
2.14931E+06	3000.0	2.53939E-12	91.592	5208.4
2.14931E+06	4000.0	2.54458E-12	91.583	5208.4

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103.36  
102.81  
102.50  
102.33

3.18156E-14  
6.49762E-14  
1.00538E-13  
1.38025E-13  
1.76877E-13  
2.16471E-13  
2.55095E-13  
2.89273E-13  
3.10601E-13  
3.23472E-13

100.00  
200.00  
400.00  
600.00  
800.00  
1000.0  
1500.0  
2000.0  
3000.0  
4000.0

4.14080E+06  
4.14080E+06  
4.14080E+06  
4.14080E+06  
4.14080E+06  
4.14080E+06  
4.14080E+06  
4.14080E+06  
4.14080E+06  
4.14080E+06

SOURCE LEVEL= 410.00 SOURCE NO 5 GROUP 2

RANGE	RECEIVER DEPTH	INTENSITY	TR. LOSS	BOTTOM LEVEL
3.69827E+06	100.00	5.82881E-14	109.37	10842
3.69827E+06	200.00	1.18265E-13	106.29	10842
3.69827E+06	400.00	1.80671E-13	104.45	10842
3.69827E+06	600.00	2.44145E-13	103.15	10842
3.69827E+06	800.00	3.07289E-13	102.15	10842
3.69827E+06	1000.0	3.68776E-13	101.35	10842
3.69827E+06	1500.0	4.21532E-13	100.77	10842
3.69827E+06	2000.0	4.62313E-13	100.37	10842
3.69827E+06	3000.0	4.82978E-13	100.18	10842
3.69827E+06	4000.0	4.93767E-13	100.09	10842
3.32151E+06	100.00	6.53046E-14	109.36	13731
3.32151E+06	200.00	1.32302E-13	106.30	13731
3.32151E+06	400.00	2.01956E-13	104.46	13731
3.32151E+06	600.00	2.73206E-13	103.15	13731
3.32151E+06	800.00	3.44926E-13	102.14	13731
3.32151E+06	1000.0	4.15991E-13	101.32	13731
3.32151E+06	1500.0	4.80987E-13	100.69	13731
3.32151E+06	2000.0	5.35553E-13	100.23	13731
3.32151E+06	3000.0	5.68882E-13	99.964	13731
3.32151E+06	4000.0	5.94397E-13	99.774	13731
1.05598E+06	100.00	3.92070E-12	91.314	12000
1.05598E+06	200.00	7.94416E-12	88.247	12000
1.05598E+06	400.00	1.21159E-11	86.414	12000
1.05598E+06	600.00	1.63533E-11	85.112	12000
1.05598E+06	800.00	2.05705E-11	84.115	12000
1.05598E+06	1000.0	2.46841E-11	83.324	12000
1.05598E+06	1500.0	2.82311E-11	82.741	12000
1.05598E+06	2000.0	3.09526E-11	82.341	12000
1.05598E+06	3000.0	3.21434E-11	82.177	12000
1.05598E+06	4000.0	3.25604E-11	82.121	12000

8.83166E+05	100.00	2.69351E-12	92.833	11400
8.83166E+05	200.00	5.49284E-12	89.739	11400
8.83166E+05	400.00	8.47352E-12	87.856	11400
8.83166E+05	600.00	1.15891E-11	86.496	11400
8.83166E+05	800.00	1.47884E-11	85.437	11400
8.83166E+05	1000.0	1.80187E-11	84.579	11400
8.83166E+05	1500.0	2.11118E-11	83.891	11400
8.83166E+05	2000.0	2.38391E-11	83.364	11400
8.83166E+05	3000.0	2.56116E-11	83.052	11400
8.83166E+05	4000.0	2.66025E-11	82.887	11400
3.77139E+06	100.00	5.80824E-14	109.02	9102.5
3.77139E+06	200.00	1.18509E-12	105.92	9102.5
3.77139E+06	400.00	1.82580E-13	104.05	9102.5
3.77139E+06	600.00	2.48810E-13	102.70	9102.5
3.77139E+06	800.00	3.15764E-13	101.67	9102.5
3.77139E+06	1000.0	3.82246E-13	100.84	9102.5
3.77139E+06	1500.0	4.45058E-13	100.18	9102.5
3.77139E+06	2000.0	5.06097E-13	99.618	9102.5
3.77139E+06	3000.0	5.73410E-13	99.075	9102.5
3.77139E+06	4000.0	6.28619E-13	98.676	9102.5
2.46273E+06	100.00	3.07967E-13	102.47	12588
2.46273E+06	200.00	6.27739E-13	99.379	12588
2.46273E+06	400.00	9.68097E-13	97.497	12588
2.46273E+06	600.00	1.32436E-12	96.136	12588
2.46273E+06	800.00	1.69129E-12	95.074	12588
2.46273E+06	1000.0	2.06342E-12	94.211	12588
2.46273E+06	1500.0	2.42581E-12	93.508	12588
2.46273E+06	2000.0	2.75424E-12	92.956	12588
2.46273E+06	3000.0	2.99765E-12	92.589	12588
2.46273E+06	4000.0	3.17968E-12	92.333	12588

SOURCE LEVEL=	410.00	SOURCE NO	6	GROUP	2
RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS	BOTTOM LEVEL	
5.04640E+06	100.00	2.38921E-14	113.50	12376	
5.04640E+06	200.00	4.84410E-14	110.43	12376	
5.04640E+06	400.00	7.40862E-14	108.59	12376	
5.04640E+06	600.00	1.00511E-13	107.26	12376	
5.04640E+06	800.00	1.27380E-13	106.23	12376	
5.04640E+06	1000.0	1.54349E-13	105.40	12376	
5.04640E+06	1500.0	1.80161E-13	104.73	12376	
5.04640E+06	2000.0	2.03183E-13	104.21	12376	
5.04640E+06	3000.0	2.18332E-13	103.89	12376	
5.04640E+06	4000.0	2.26205E-13	103.74	12376	
4.82191E+06	100.00	2.84815E-15	122.93	13550	
4.82191E+06	200.00	5.77677E-15	119.86	13550	
4.82191E+06	400.00	8.84385E-15	118.01	13550	
4.82191E+06	600.00	1.20156E-14	116.68	13550	
4.82191E+06	800.00	1.52549E-14	115.64	13550	
4.82191E+06	1000.0	1.85221E-14	114.80	13550	
4.82191E+06	1500.0	2.16857E-14	114.12	13550	
4.82191E+06	2000.0	2.45270E-14	113.58	13550	
4.82191E+06	3000.0	2.63804E-14	113.26	13550	
4.82191E+06	4000.0	2.73636E-14	113.11	13550	
1.66495E+06	100.00	2.00261E-13	104.00	10890	
1.66495E+06	200.00	4.06164E-13	100.93	10890	
1.66495E+06	400.00	6.20969E-13	99.082	10890	
1.66495E+06	600.00	8.41229E-13	97.763	10890	
1.66495E+06	800.00	1.06135E-12	96.746	10890	
1.66495E+06	1000.0	1.28380E-12	95.927	10890	
1.66495E+06	1500.0	1.48648E-12	95.291	10890	
1.66495E+06	2000.0	1.55794E-12	94.817	10890	
1.66495E+06	3000.0	1.75815E-12	94.562	10890	
1.66495E+06	4000.0	1.80559E-12	94.446	10890	

2.11463E+06	100.00	3.83318E-13	100.89	9254.5
2.11463E+06	200.00	7.79749E-13	97.803	9254.5
2.11463E+06	400.00	1.19560E-12	95.947	9254.5
2.11463E+06	600.00	1.62074E-12	94.626	9254.5
2.11463E+06	800.00	2.04438E-12	93.617	9254.5
2.11463E+06	1000.0	2.45600E-12	92.820	9254.5
2.11463E+06	1500.0	2.79966E-12	92.252	9254.5
2.11463E+06	2000.0	3.04707E-12	91.884	9254.5
2.11463E+06	3000.0	3.13805E-12	91.756	9254.5
2.11463E+06	4000.0	3.18509E-12	91.691	9254.5

5.26316E+06	100.00	8.91909E-15	117.37	9717.2
5.26316E+06	200.00	1.81728E-14	114.28	9717.2
5.26316E+06	400.00	2.79871E-14	112.40	9717.2
5.26316E+06	600.00	3.81079E-14	111.05	9717.2
5.26316E+06	800.00	4.86258E-14	110.00	9717.2
5.26316E+06	1000.0	5.90866E-14	109.16	9717.2
5.26316E+06	1500.0	6.88747E-14	108.49	9717.2
5.26316E+06	2000.0	7.71532E-14	108.00	9717.2
5.26316E+06	3000.0	8.15459E-14	107.76	9717.2
5.26316E+06	4000.0	8.31261E-14	107.67	9717.2

9.83380E+05	100.00	1.93126E-12	94.425	12147
9.83380E+05	200.00	3.91254E-12	91.359	12147
9.83380E+05	400.00	5.97162E-12	89.523	12147
9.83380E+05	600.00	8.07588E-12	88.212	12147
9.83380E+05	800.00	1.01905E-11	87.202	12147
9.83380E+05	1000.0	1.22803E-11	86.392	12147
9.83380E+05	1500.0	1.41664E-11	85.771	12147
9.83380E+05	2000.0	1.57010E-11	85.325	12147
9.83380E+05	3000.0	1.64521E-11	85.122	12147
9.83380E+05	4000.0	1.67220E-11	85.051	12147

SOURCE LEVEL= 410.00 SOURCE NO 7 GROUP 2

RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS	BOTTOM LEVEL
6.59754E+06	100.00	8.68466E-16	127.75	11372
6.59754E+06	200.00	1.77733E-15	124.64	11372
6.59754E+06	400.00	2.75942E-15	122.73	11372
6.59754E+06	600.00	3.80189E-15	121.34	11372
6.59754E+06	800.00	4.88914E-15	120.24	11372
6.59754E+06	1000.0	6.00357E-15	119.35	11372
6.59754E+06	1500.0	7.10450E-15	118.62	11372
6.59754E+06	2000.0	8.08953E-15	118.06	11372
6.59754E+06	3000.0	8.71838E-15	117.73	11372
6.59754E+06	4000.0	9.11152E-15	117.54	11372
6.47485E+06	100.00	5.77238E-15	119.72	12575
6.47485E+06	200.00	1.17818E-14	116.62	12575
6.47485E+06	400.00	1.82283E-14	114.72	12575
6.47485E+06	600.00	2.50508E-14	113.34	12575
6.47485E+06	800.00	3.21755E-14	112.25	12575
6.47485E+06	1000.0	3.95183E-14	111.36	12575
6.47485E+06	1500.0	4.70013E-14	110.61	12575
6.47485E+06	2000.0	5.40509E-14	110.00	12575
6.47485E+06	3000.0	5.90510E-14	109.62	12575
6.47485E+06	4000.0	6.17833E-14	109.42	12575
3.14353E+06	100.00	7.69535E-14	107.24	6643.9
3.14353E+06	200.00	1.58721E-13	104.10	6643.9
3.14353E+06	400.00	2.48584E-13	102.15	6643.9
3.14353E+06	600.00	3.44008E-13	100.74	6643.9
3.14353E+06	800.00	4.42089E-13	99.646	6643.9
3.14353E+06	1000.0	5.39828E-13	98.779	6643.9
3.14353E+06	1500.0	6.25123E-13	98.142	6643.9
3.14353E+06	2000.0	6.87594E-13	97.728	6643.9
3.14353E+06	3000.0	7.09928E-13	97.589	6643.9
3.14353E+06	4000.0	7.22505E-13	97.513	6643.9



3.71499E+06	100.00	4.59266E-14	109.96	8449.3
3.71499E+06	200.00	9.38430E-14	106.85	8449.3
3.71499E+06	400.00	1.44836E-13	104.97	8449.3
3.71499E+06	600.00	1.97512E-13	103.62	8449.3
3.71499E+06	800.00	2.50369E-13	102.59	8449.3
3.71499E+06	1000.0	3.01930E-13	101.78	8449.3
3.71499E+06	1500.0	3.45130E-13	101.20	8449.3
3.71499E+06	2000.0	3.76649E-13	100.82	8449.3
3.71499E+06	3000.0	3.90209E-13	100.66	8449.3
3.71499E+06	4000.0	3.95670E-13	100.60	8449.3

6.91291E+06	100.00	3.40773E-15	121.40	8942.2
6.91291E+06	200.00	7.00119E-15	118.27	8942.2
6.91291E+06	400.00	1.09318E-14	116.34	8942.2
6.91291E+06	600.00	1.51429E-14	114.92	8942.2
6.91291E+06	800.00	1.95691E-14	113.81	8942.2
6.91291E+06	1000.0	2.41412E-14	112.90	8942.2
6.91291E+06	1500.0	2.87877E-14	112.13	8942.2
6.91291E+06	2000.0	3.31690E-14	111.52	8942.2
6.91291E+06	3000.0	3.63657E-14	111.12	8942.2
6.91291E+06	4000.0	3.80432E-14	110.92	8942.2

7.64102E+05	100.00	1.10079E-11	85.848	7560.0
7.64102E+05	200.00	2.25858E-11	82.727	7560.0
7.64102E+05	400.00	3.50711E-11	80.816	7560.0
7.64102E+05	600.00	4.80913E-11	79.445	7560.0
7.64102E+05	800.00	6.12312E-11	78.396	7560.0
7.64102E+05	1000.0	7.40761E-11	77.569	7560.0
7.64102E+05	1500.0	8.47406E-11	76.984	7560.0
7.64102E+05	2000.0	9.24026E-11	76.609	7560.0
7.64102E+05	3000.0	9.67645E-11	76.408	7560.0
7.64102E+05	4000.0	1.01164E-10	76.215	7560.0



SOURCE LEVEL= 410.00 SOURCE NO 8 GROUP 2

RANGE RECEIVER DEPTH INTENSITY TR LOSS BOTTOM LEVEL

5.93999E+06	100.00	7.16221E-16	128.28	9720.0
5.93999E+06	200.00	1.45662E-15	125.20	9720.0
5.93999E+06	400.00	2.23358E-15	123.34	9720.0
5.93999E+06	600.00	3.03056E-15	122.02	9720.0
5.93999E+06	800.00	3.83165E-15	121.00	9720.0
5.93999E+06	1000.0	4.62337E-15	120.18	9720.0
5.93999E+06	1500.0	5.36092E-15	119.54	9720.0
5.93999E+06	2000.0	6.06148E-15	119.00	9720.0
5.93999E+06	3000.0	6.85563E-15	118.47	9720.0
5.93999E+06	4000.0	7.64272E-15	118.00	9720.0

5.28659E+06	100.00	1.00991E-14	115.72	5695.3
5.28659E+06	200.00	2.09117E-14	112.56	5695.3
5.28659E+06	400.00	3.27380E-14	110.62	5695.3
5.28659E+06	600.00	4.49018E-14	109.24	5695.3
5.28659E+06	800.00	5.66924E-14	108.23	5695.3
5.28659E+06	1000.0	6.75063E-14	107.47	5695.3
5.28659E+06	1500.0	7.47769E-14	107.03	5695.3
5.28659E+06	2000.0	7.95930E-14	106.76	5695.3
5.28659E+06	3000.0	8.30514E-14	106.57	5695.3
5.28659E+06	4000.0	8.65088E-14	106.40	5695.3

1.64599E+06	100.00	1.05342E-12	95.698	6236.5
1.64599E+06	200.00	2.18099E-12	92.537	6236.5
1.64599E+06	400.00	3.42193E-12	90.581	6236.5
1.64599E+06	600.00	4.71685E-12	89.187	6236.5
1.64599E+06	800.00	5.99897E-12	88.143	6236.5
1.64599E+06	1000.0	7.20490E-12	87.348	6236.5
1.64599E+06	1500.0	8.04520E-12	86.869	6236.5
1.64599E+06	2000.0	8.51851E-12	86.620	6236.5
1.64599E+06	3000.0	8.74040E-12	86.509	6236.5
1.64599E+06	4000.0	8.91794E-12	86.421	6236.5

2.37091E+06	100.00	2.52522E-13	101.23	4091.3
2.37091E+06	200.00	5.36636E-13	97.958	4091.3
2.37091E+06	400.00	8.69012E-13	95.864	4091.3
2.37091E+06	600.00	1.21937E-12	94.393	4091.3
2.37091E+06	800.00	1.55253E-12	93.344	4091.3
2.37091E+06	1000.0	1.83869E-12	92.609	4091.3
2.37091E+06	1500.0	1.96532E-12	92.320	4091.3
2.37091E+06	2000.0	1.99651E-12	92.252	4091.3
2.37091E+06	3000.0	1.99758E-12	92.249	4091.3
2.37091E+06	4000.0	1.99771E-12	92.249	4091.3

5.62200E+06	100.00	2.20804E-15	121.99	4638.2
5.62200E+06	200.00	4.63319E-15	118.77	4638.2
5.62200E+06	400.00	7.37971E-15	116.75	4638.2
5.62200E+06	600.00	1.02518E-14	115.32	4638.2
5.62200E+06	800.00	1.30516E-14	114.28	4638.2
5.62200E+06	1000.0	1.56427E-14	113.49	4638.2
5.62200E+06	1500.0	1.77909E-14	112.93	4638.2
5.62200E+06	2000.0	2.03170E-14	112.35	4638.2
5.62200E+06	3000.0	2.25427E-14	111.90	4638.2
5.62200E+06	4000.0	2.31104E-14	111.79	4638.2

1.23009E+06	100.00	1.46300E-12	94.271	6115.5
1.23009E+06	200.00	3.04136E-12	91.093	6115.5
1.23009E+06	400.00	4.80947E-12	89.103	6115.5
1.23009E+06	600.00	6.69557E-12	87.666	6115.5
1.23009E+06	800.00	8.61787E-12	86.570	6115.5
1.23009E+06	1000.0	1.04979E-11	85.713	6115.5
1.23009E+06	1500.0	1.20398E-11	85.118	6115.5
1.23009E+06	2000.0	1.31483E-11	84.735	6115.5
1.23009E+06	3000.0	1.36140E-11	84.584	6115.5
1.23009E+06	4000.0	1.41835E-11	84.406	6115.5

SOURCE LEVEL= 610.00 SOURCE NO 1 GROUP 2

RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS	BOTTOM LEVEL
1.49717E+06	100.00	5.96273E-13	99.487	12579
1.49717E+06	200.00	1.21529E-12	96.395	12579
1.49717E+06	400.00	1.87378E-12	94.515	12579
1.49717E+06	600.00	2.56256E-12	93.155	12579
1.49717E+06	800.00	3.27156E-12	92.094	12579
1.49717E+06	1000.0	3.99044E-12	91.232	12579
1.49717E+06	1500.0	4.69286E-12	90.527	12579
1.49717E+06	2000.0	5.33765E-12	89.968	12579
1.49717E+06	3000.0	5.84192E-12	89.576	12579
1.49717E+06	4000.0	6.22660E-12	89.299	12579
2.37579E+06	100.00	1.05445E-13	107.01	12342
2.37579E+06	200.00	2.14632E-13	103.92	12342
2.37579E+06	400.00	3.29982E-13	102.06	12342
2.37579E+06	600.00	4.49477E-13	100.71	12342
2.37579E+06	800.00	5.70891E-13	99.676	12342
2.37579E+06	1000.0	6.91929E-13	98.841	12342
2.37579E+06	1500.0	8.02805E-13	98.196	12342
2.37579E+06	2000.0	8.94467E-13	97.726	12342
2.37579E+06	3000.0	9.47485E-13	97.476	12342
2.37579E+06	4000.0	9.83739E-13	97.313	12342
3.29198E+06	100.00	8.18336E-15	116.92	6627.2
3.29198E+06	200.00	1.68989E-14	113.77	6627.2
3.29198E+06	400.00	2.64083E-14	111.83	6627.2
3.29198E+06	600.00	3.62730E-14	110.45	6627.2
3.29198E+06	800.00	4.60226E-14	109.41	6627.2
3.29198E+06	1000.0	5.52282E-14	108.62	6627.2
3.29198E+06	1500.0	6.19354E-14	108.12	6627.2
3.29198E+06	2000.0	6.60395E-14	107.85	6627.2
3.29198E+06	3000.0	6.72855E-14	107.77	6627.2
3.29198E+06	4000.0	6.75863E-14	107.75	6627.2

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2.68715E+06	100.00	1.91895E-13	103.48	7496.7
2.68715E+06	200.00	3.96751E-13	100.33	7496.7
2.68715E+06	400.00	6.22426E-13	98.371	7496.7
2.68715E+06	600.00	8.60104E-13	96.966	7496.7
2.68715E+06	800.00	1.09952E-12	95.900	7496.7
2.68715E+06	1000.0	1.33034E-12	95.072	7496.7
2.68715E+06	1500.0	1.50551E-12	94.535	7496.7
2.68715E+06	2000.0	1.61087E-12	94.241	7496.7
2.68715E+06	3000.0	1.63923E-12	94.165	7496.7
2.68715E+06	4000.0	1.64974E-12	94.138	7496.7
2.95588E+06	100.00	4.52453E-14	110.47	10993
2.95588E+06	200.00	9.23579E-14	107.37	10993
2.95588E+06	400.00	1.42587E-13	105.49	10993
2.95588E+06	600.00	1.94990E-13	104.13	10993
2.95588E+06	800.00	2.48547E-13	103.07	10993
2.95588E+06	1000.0	3.02240E-13	102.22	10993
2.95588E+06	1500.0	3.52474E-13	101.56	10993
2.95588E+06	2000.0	3.95905E-13	101.05	10993
2.95588E+06	3000.0	4.24364E-13	100.75	10993
2.95588E+06	4000.0	4.39784E-13	100.59	10993
4.56849E+06	100.00	2.46838E-14	113.32	12062
4.56849E+06	200.00	5.04216E-14	110.22	12062
4.56849E+06	400.00	7.80042E-14	108.32	12062
4.56849E+06	600.00	1.07018E-13	106.95	12062
4.56849E+06	800.00	1.37000E-13	105.87	12062
4.56849E+06	1000.0	1.67466E-13	105.00	12062
4.56849E+06	1500.0	1.97201E-13	104.29	12062
4.56849E+06	2000.0	2.24276E-13	103.73	12062
4.56849E+06	3000.0	2.45167E-13	103.35	12062
4.56849E+06	4000.0	2.61895E-13	103.06	12062

SOURCE LEVEL= 610.00		SOURCE NO	GROUP	2	2	TR LOSS	BOTTOM LEVEL
RANGE	RECEIVER DEPTH	INTENSITY					
3.06528E+06	100.00	5.72975E-14			109.65	12444	
3.06528E+06	200.00	1.16289E-13			106.57	12444	
3.06528E+06	400.00	1.77956E-13			104.73	12444	
3.06528E+06	600.00	2.41266E-13			103.40	12444	
3.06528E+06	800.00	3.05142E-13			102.38	12444	
3.06528E+06	1000.0	3.68535E-13			101.56	12444	
3.06528E+06	1500.0	4.26932E-13			100.93	12444	
3.06528E+06	2000.0	4.77433E-13			100.44	12444	
3.06528E+06	3000.0	5.15658E-13			100.11	12444	
3.06528E+06	4000.0	5.49899E-13			99.826	12444	
3.48955E+06	100.00	4.89629E-14			109.74	8939.6	
3.48955E+06	200.00	9.99437E-14			106.64	8939.6	
3.48955E+06	400.00	1.53854E-13			104.77	8939.6	
3.48955E+06	600.00	2.09012E-13			103.44	8939.6	
3.48955E+06	800.00	2.63634E-13			102.43	8939.6	
3.48955E+06	1000.0	3.16011E-13			101.64	8939.6	
3.48955E+06	1500.0	3.57161E-13			101.11	8939.6	
3.48955E+06	2000.0	3.84222E-13			100.80	8939.6	
3.48955E+06	3000.0	3.93474E-13			100.69	8939.6	
3.48955E+06	4000.0	4.02734E-13			100.59	8939.6	
2.446335E+06	100.00	2.32689E-13			103.67	12767	
2.446335E+06	200.00	4.72187E-13			100.60	12767	
2.446335E+06	400.00	7.22405E-13			98.749	12767	
2.446335E+06	600.00	9.79063E-13			97.429	12767	
2.446335E+06	800.00	1.23760E-12			96.411	12767	
2.446335E+06	1000.0	1.49343E-12			95.595	12767	
2.446335E+06	1500.0	1.72467E-12			94.970	12767	
2.446335E+06	2000.0	1.91435E-12			94.517	12767	
2.446335E+06	3000.0	2.01994E-12			94.284	12767	
2.446335E+06	4000.0	2.07950E-12			94.158	12767	

2.14987E+06	100.00	4.18445E-13	101.28	13901
2.14987E+06	200.00	8.49252E-13	98.205	13901
2.14987E+06	400.00	1.30060E-12	96.354	13901
2.14987E+06	600.00	1.76632E-12	95.024	13901
2.14987E+06	800.00	2.23980E-12	93.993	13901
2.14987E+06	1000.0	2.71432E-12	93.159	13901
2.14987E+06	1500.0	3.16456E-12	92.492	13901
2.14987E+06	2000.0	3.56259E-12	91.978	13901
2.14987E+06	3000.0	3.83899E-12	91.653	13901
2.14987E+06	4000.0	4.04023E-12	91.431	13901
4.04348E+06	100.00	8.84952E-15	117.17	9132.9
4.04348E+06	200.00	1.80815E-14	114.07	9132.9
4.04348E+06	400.00	2.79016E-14	112.18	9132.9
4.04348E+06	600.00	3.80371E-14	110.84	9132.9
4.04348E+06	800.00	4.81938E-14	109.81	9132.9
4.04348E+06	1000.0	5.80823E-14	109.00	9132.9
4.04348E+06	1500.0	6.62859E-14	108.43	9132.9
4.04348E+06	2000.0	7.21194E-14	108.06	9132.9
4.04348E+06	3000.0	7.42661E-14	107.93	9132.9
4.04348E+06	4000.0	7.51474E-14	107.88	9132.9
3.07938E+06	100.00	1.93369E-13	104.14	11018
3.07938E+06	200.00	3.93136E-13	101.06	11018
3.07938E+06	400.00	6.02616E-13	99.203	11018
3.07938E+06	600.00	8.17224E-13	97.880	11018
3.07938E+06	800.00	1.03210E-12	96.866	11018
3.07938E+06	1000.0	1.24245E-12	96.060	11018
3.07938E+06	1500.0	1.42406E-12	95.468	11018
3.07938E+06	2000.0	1.56333E-12	95.063	11018
3.07938E+06	3000.0	1.63063E-12	94.879	11018
3.07938E+06	4000.0	1.66537E-12	94.788	11018

SOURCE LEVEL= 610.00 SOURCE NO 3 GROUP 2

RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS	BOTTOM LEVEL
4.57649E+06	100.00	1.34374E-14	115.80	11099
4.57649E+06	200.00	2.72910E-14	112.72	11099
4.57649E+06	400.00	4.17611E-14	110.87	11099
4.57649E+06	600.00	5.65352E-14	109.56	11099
4.57649E+06	800.00	7.12926E-14	108.55	11099
4.57649E+06	1000.0	8.57287E-14	107.75	11099
4.57649E+06	1500.0	9.83178E-14	107.16	11099
4.57649E+06	2000.0	1.08333E-13	106.73	11099
4.57649E+06	3000.0	1.13946E-13	106.51	11099
4.57649E+06	4000.0	1.16991E-13	106.40	11099
4.77927E+06	100.00	3.50592E-15	121.90	12922
4.77927E+06	200.00	7.08613E-15	118.84	12922
4.77927E+06	400.00	1.07670E-14	117.03	12922
4.77927E+06	600.00	1.44808E-14	115.74	12922
4.77927E+06	800.00	1.81593E-14	114.76	12922
4.77927E+06	1000.0	2.17371E-14	113.98	12922
4.77927E+06	1500.0	2.48309E-14	113.40	12922
4.77927E+06	2000.0	2.72595E-14	112.99	12922
4.77927E+06	3000.0	2.85383E-14	112.79	12922
4.77927E+06	4000.0	2.93489E-14	112.67	12922
2.37303E+06	100.00	1.72779E-13	104.71	11416
2.37303E+06	200.00	3.53041E-13	101.60	11416
2.37303E+06	400.00	5.46673E-13	99.704	11416
2.37303E+06	600.00	7.51273E-13	98.323	11416
2.37303E+06	800.00	9.64301E-13	97.239	11416
2.37303E+06	1000.0	1.18331E-12	96.350	11416
2.37303E+06	1500.0	1.40887E-12	95.593	11416
2.37303E+06	2000.0	1.63555E-12	94.945	11416
2.37303E+06	3000.0	1.86735E-12	94.369	11416
2.37303E+06	4000.0	2.08300E-12	93.895	11416



2.54267E+06	100.00	1.70199E-13	104.88	11758
2.54267E+06	200.00	3.47018E-13	101.79	11758
2.54267E+06	400.00	5.34943E-13	99.907	11758
2.54267E+06	600.00	7.30665E-13	98.553	11758
2.54267E+06	800.00	9.30493E-13	97.503	11758
2.54267E+06	1000.0	1.13058E-12	96.657	11758
2.54267E+06	1500.0	1.31556E-12	95.999	11758
2.54267E+06	2000.0	1.46919E-12	95.519	11758
2.54267E+06	3000.0	1.55336E-12	95.277	11758
2.54267E+06	4000.0	1.60297E-12	95.141	11758

5.29030E+06	100.00	5.01995E-15	120.29	12508
5.29030E+06	200.00	1.01599E-14	117.23	12508
5.29030E+06	400.00	1.54660E-14	115.40	12508
5.29030E+06	600.00	2.08332E-14	114.11	12508
5.29030E+06	800.00	2.61535E-14	113.12	12508
5.29030E+06	1000.0	3.13235E-14	112.34	12508
5.29030E+06	1500.0	3.57472E-14	111.76	12508
5.29030E+06	2000.0	3.91328E-14	111.37	12508
5.29030E+06	3000.0	4.06897E-14	111.20	12508
5.29030E+06	4000.0	4.14047E-14	111.13	12508

1.73143E+06	100.00	4.72296E-13	100.11	10370
1.73143E+06	200.00	9.70567E-13	96.986	10370
1.73143E+06	400.00	1.51511E-12	95.051	10370
1.73143E+06	600.00	2.09597E-12	93.642	10370
1.73143E+06	800.00	2.70084E-12	92.541	10370
1.73143E+06	1000.0	3.31581E-12	91.650	10370
1.73143E+06	1500.0	3.89375E-12	90.952	10370
1.73143E+06	2000.0	4.36344E-12	90.457	10370
1.73143E+06	3000.0	4.57000E-12	90.257	10370
1.73143E+06	4000.0	4.63346E-12	90.197	10370



SOURCE LEVEL= 610.00 SOURCE NO 4 GROUP 2

RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS	BOTTOM LEVEL
2.41018E+06	100.00	1.20932E-13	106.34	11936
2.41018E+06	200.00	2.45815E-13	103.26	11936
2.41018E+06	400.00	3.76943E-13	101.40	11936
2.41018E+06	600.00	5.11842E-13	100.08	11936
2.41018E+06	800.00	6.47848E-13	99.053	11936
2.41018E+06	1000.0	7.82280E-13	98.234	11936
2.41018E+06	1500.0	9.02384E-13	97.613	11936
2.41018E+06	2000.0	9.98445E-13	97.174	11936
2.41018E+06	3000.0	1.04604E-12	96.972	11936
2.41018E+06	4000.0	1.06706E-12	96.886	11936
1.63902E+06	100.00	8.99856E-13	97.892	13486
1.63902E+06	200.00	1.82403E-12	94.824	13486
1.63902E+06	400.00	2.78653E-12	92.983	13486
1.63902E+06	600.00	3.77229E-12	91.668	13486
1.63902E+06	800.00	4.76539E-12	90.653	13486
1.63902E+06	1000.0	5.74987E-12	89.837	13486
1.63902E+06	1500.0	6.64977E-12	89.206	13486
1.63902E+06	2000.0	7.40107E-12	88.741	13486
1.63902E+06	3000.0	7.82123E-12	88.501	13486
1.63902E+06	4000.0	8.03085E-12	88.386	13486
2.14931E+06	100.00	1.43306E-13	104.03	5208.4
2.14931E+06	200.00	3.01833E-13	100.80	5208.4
2.14931E+06	400.00	4.84959E-13	98.738	5208.4
2.14931E+06	600.00	6.80928E-13	97.264	5208.4
2.14931E+06	800.00	8.75308E-13	96.173	5208.4
2.14931E+06	1000.0	1.05414E-12	95.366	5208.4
2.14931E+06	1500.0	1.15944E-12	94.952	5208.4
2.14931E+06	2000.0	1.20047E-12	94.801	5208.4
2.14931E+06	3000.0	1.20986E-12	94.767	5208.4
2.14931E+06	4000.0	1.21823E-12	94.737	5208.4

1.41463E+06	100.00	7.10950E-13	98.423	10354
1.41463E+06	200.00	1.45568E-12	95.311	10354
1.41463E+06	400.00	2.25821E-12	93.404	10354
1.41463E+06	600.00	3.10264E-12	92.024	10354
1.41463E+06	800.00	3.97044E-12	90.953	10354
1.41463E+06	1000.0	4.81168E-12	90.092	10354
1.41463E+06	1500.0	5.63764E-12	89.431	10354
1.41463E+06	2000.0	6.26982E-12	88.969	10354
1.41463E+06	3000.0	6.53857E-12	88.787	10354
1.41463E+06	4000.0	6.62012E-12	88.733	10354
2.11318E+06	100.00	2.04771E-13	103.94	11201
2.11318E+06	200.00	4.18214E-13	100.84	11201
2.11318E+06	400.00	6.46338E-13	98.951	11201
2.11318E+06	600.00	8.84964E-13	97.587	11201
2.11318E+06	800.00	1.12942E-12	96.527	11201
2.11318E+06	1000.0	1.37487E-12	95.673	11201
2.11318E+06	1500.0	1.60386E-12	95.004	11201
2.11318E+06	2000.0	1.79915E-12	94.505	11201
2.11318E+06	3000.0	1.93238E-12	94.195	11201
2.11318E+06	4000.0	2.04344E-12	93.952	11201
4.14080E+06	100.00	1.89063E-14	114.62	13083
4.14080E+06	200.00	3.82665E-14	111.55	13083
4.14080E+06	400.00	5.82983E-14	109.73	13083
4.14080E+06	600.00	7.86651E-14	108.42	13083
4.14080E+06	800.00	9.90210E-14	107.42	13083
4.14080E+06	1000.0	1.19031E-13	106.63	13083
4.14080E+06	1500.0	1.36941E-13	106.02	13083
4.14080E+06	2000.0	1.51666E-13	105.57	13083
4.14080E+06	3000.0	1.60119E-13	105.34	13083
4.14030E+06	4000.0	1.64633E-13	105.22	13083

SOURCE LEVEL= 610.00		SOURCE NO	GROUP	2	BOTTOM LEVEL	
RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS			
3.69827E+06	100.00	1.69567E-14	114.68		10842	
3.69827E+06	200.00	3.43981E-14	111.61		10842	
3.69827E+06	400.00	5.25121E-14	109.78		10842	
3.69827E+06	600.00	7.08688E-14	108.47		10842	
3.69827E+06	800.00	8.90256E-14	107.48		10842	
3.69827E+06	1000.0	1.06562E-13	106.70		10842	
3.69827E+06	1500.0	1.21122E-13	106.15		10842	
3.69827E+06	2000.0	1.31851E-13	105.78		10842	
3.69827E+06	3000.0	1.37605E-13	105.59		10842	
3.69827E+06	4000.0	1.43593E-13	105.41		10842	
3.32151E+06	100.00	4.80449E-14	110.65		13731	
3.32151E+06	200.00	9.76096E-14	107.58		13731	
3.32151E+06	400.00	1.49716E-13	105.72		13731	
3.32151E+06	600.00	2.03615E-13	104.38		13731	
3.32151E+06	800.00	2.58488E-13	103.35		13731	
3.32151E+06	1000.0	3.13489E-13	102.51		13731	
3.32151E+06	1500.0	3.65305E-13	101.84		13731	
3.32151E+06	2000.0	4.10078E-13	101.34		13731	
3.32151E+06	3000.0	4.37258E-13	101.06		13731	
3.32151E+06	4000.0	4.51376E-13	100.92		13731	
1.05598E+06	100.00	7.38603E-12	88.520		12000	
1.05598E+06	200.00	1.49865E-11	85.447		12000	
1.05598E+06	400.00	2.29143E-11	83.603		12000	
1.05598E+06	600.00	3.10211E-11	82.287		12000	
1.05598E+06	800.00	3.91502E-11	81.277		12000	
1.05598E+06	1000.0	4.71468E-11	80.469		12000	
1.05598E+06	1500.0	5.42276E-11	79.862		12000	
1.05598E+06	2000.0	5.98695E-11	79.432		12000	
1.05598E+06	3000.0	6.27181E-11	79.230		12000	
1.05598E+06	4000.0	6.40349E-11	79.140		12000	

8.83166E+05	100.00	4.90296E-12	90.188	11400
8.83166E+05	200.00	1.00133E-11	87.087	11400
8.83166E+05	400.00	1.54778E-11	85.195	11400
8.83166E+05	600.00	2.11998E-11	83.829	11400
8.83166E+05	800.00	2.70687E-11	82.768	11400
8.83166E+05	1000.0	3.29665E-11	81.912	11400
8.83166E+05	1500.0	3.84404E-11	81.245	11400
8.83166E+05	2000.0	4.29620E-11	80.762	11400
8.83166E+05	3000.0	4.53319E-11	80.528	11400
8.83166E+05	4000.0	4.65521E-11	80.413	11400
3.77139E+06	100.00	1.90283E-14	113.82	9102.5
3.77139E+06	200.00	3.87532E-14	110.73	9102.5
3.77139E+06	400.00	5.94442E-14	108.87	9102.5
3.77139E+06	600.00	8.04651E-14	107.56	9102.5
3.77139E+06	800.00	1.01154E-13	106.57	9102.5
3.77139E+06	1000.0	1.20889E-13	105.79	9102.5
3.77139E+06	1500.0	1.36264E-13	105.27	9102.5
3.77139E+06	2000.0	1.46472E-13	104.96	9102.5
3.77139E+06	3000.0	1.51444E-13	104.81	9102.5
3.77139E+06	4000.0	1.58104E-13	104.63	9102.5
2.46273E+06	100.00	4.46736E-13	100.81	12588
2.46273E+06	200.00	9.05850E-13	97.742	12588
2.46273E+06	400.00	1.38423E-12	95.900	12588
2.46273E+06	600.00	1.87390E-12	94.585	12588
2.46273E+06	800.00	2.36650E-12	93.571	12588
2.46273E+06	1000.0	2.85374E-12	92.758	12588
2.46273E+06	1500.0	3.29579E-12	92.133	12588
2.46273E+06	2000.0	3.66236E-12	91.675	12588
2.46273E+06	3000.0	3.86999E-12	91.435	12588
2.46273E+06	4000.0	3.97810E-12	91.316	12588

SOURCE LEVEL= 610.00 SOURCE NO 6 GROUP 2

RANGE RECEIVER DEPTH INTENSITY TR LOSS BOTTOM LEVEL

5.04640E+06	100.00	1.57676E-14	115.31	12376
5.04640E+06	200.00	3.19404E-14	112.24	12376
5.04640E+06	400.00	4.87002E-14	110.41	12376
5.04640E+06	600.00	6.57247E-14	109.11	12376
5.04640E+06	800.00	8.26808E-14	108.11	12376
5.04640E+06	1000.0	9.92452E-14	107.32	12376
5.04640E+06	1500.0	1.13649E-13	106.73	12376
5.04640E+06	2000.0	1.24911E-13	106.32	12376
5.04640E+06	3000.0	1.30419E-13	106.13	12376
5.04640E+06	4000.0	1.33057E-13	106.05	12376

4.82191E+06	100.00	2.52337E-14	113.42	13550
4.82191E+06	200.00	5.10527E-14	110.36	13550
4.82191E+06	400.00	7.77373E-14	108.54	13550
4.82191E+06	600.00	1.04852E-13	107.24	13550
4.82191E+06	800.00	1.31948E-13	106.24	13550
4.82191E+06	1000.0	1.58588E-13	105.44	13550
4.82191E+06	1500.0	1.82463E-13	104.83	13550
4.82191E+06	2000.0	2.02163E-13	104.39	13550
4.82191E+06	3000.0	2.14174E-13	104.14	13550
4.82191E+06	4000.0	2.22784E-13	103.96	13550

1.66495E+06	100.00	9.50849E-13	97.170	10890
1.66495E+06	200.00	1.93890E-12	94.076	10890
1.66495E+06	400.00	2.98814E-12	92.197	10890
1.66495E+06	600.00	4.07836E-12	90.846	10890
1.66495E+06	800.00	5.18743E-12	89.802	10890
1.66495E+06	1000.0	6.29290E-12	88.963	10890
1.66495E+06	1500.0	7.30240E-12	88.317	10890
1.66495E+06	2000.0	8.13581E-12	87.847	10890
1.66495E+06	3000.0	8.60596E-12	87.603	10890
1.66495E+06	4000.0	8.83904E-12	87.487	10890

2.11463E+06	100.00	9.05668E-14	107.14	9254.5
2.11463E+06	200.00	1.83914E-13	104.07	9254.5
2.11463E+06	400.00	2.80742E-13	102.23	9254.5
2.11463E+06	600.00	3.78060E-13	100.94	9254.5
2.11463E+06	800.00	4.72874E-13	99.966	9254.5
2.11463E+06	1000.0	5.62476E-13	99.212	9254.5
2.11463E+06	1500.0	6.31061E-13	98.713	9254.5
2.11463E+06	2000.0	6.76258E-13	98.412	9254.5
2.11463E+06	3000.0	6.95847E-13	98.288	9254.5
2.11463E+06	4000.0	7.15222E-13	98.169	9254.5
5.26316E+06	100.00	1.94577E-14	113.82	9717.2
5.26316E+06	200.00	3.99598E-14	110.70	9717.2
5.26316E+06	400.00	6.23523E-14	108.76	9717.2
5.26316E+06	600.00	8.63001E-14	107.35	9717.2
5.26316E+06	800.00	1.11401E-13	106.24	9717.2
5.26316E+06	1000.0	1.37209E-13	105.34	9717.2
5.26316E+06	1500.0	1.62743E-13	104.60	9717.2
5.26316E+06	2000.0	1.85349E-13	104.03	9717.2
5.26316E+06	3000.0	1.97792E-13	103.75	9717.2
5.26316E+06	4000.0	2.01812E-13	103.66	9717.2
9.83380E+05	100.00	2.05681E-12	94.045	12147
9.83380E+05	200.00	4.21257E-12	90.931	12147
9.83380E+05	400.00	6.55177E-12	89.013	12147
9.83380E+05	600.00	9.04939E-12	87.611	12147
9.83380E+05	800.00	1.16744E-11	86.505	12147
9.83380E+05	1000.0	1.43909E-11	85.596	12147
9.83380E+05	1500.0	1.71643E-11	84.831	12147
9.83380E+05	2000.0	1.97608E-11	84.219	12147
9.83380E+05	3000.0	2.15965E-11	83.833	12147
9.83380E+05	4000.0	2.26761E-11	83.621	12147

SOURCE LEVEL= 610.00 SOURCE NO 7 GROUP 2 BOTTOM LEVEL

RANGE RECEPTION DEPTH INTENSITY TR LOSS

6.59754E+06	100.00	1.39663E-15	125.68	11372
6.59754E+06	200.00	2.84709E-15	122.59	11372
6.59754E+06	400.00	4.38648E-15	120.71	11372
6.59754E+06	600.00	5.98609E-15	119.36	11372
6.59754E+06	800.00	7.61433E-15	118.32	11372
6.59754E+06	1000.0	9.23887E-15	117.48	11372
6.59754E+06	1500.0	1.07257E-14	116.83	11372
6.59754E+06	2000.0	1.19490E-14	116.36	11372
6.59754E+06	3000.0	1.26047E-14	116.13	11372
6.59754E+06	4000.0	1.29250E-14	116.02	11372

6.47485E+06	100.00	4.65179E-15	120.62	12575
6.47485E+06	200.00	9.51364E-15	117.51	12575
6.47485E+06	400.00	1.47517E-14	115.60	12575
6.47485E+06	600.00	2.02933E-14	114.22	12575
6.47485E+06	800.00	2.60520E-14	113.13	12575
6.47485E+06	1000.0	3.19321E-14	112.25	12575
6.47485E+06	1500.0	3.76836E-14	111.53	12575
6.47485E+06	2000.0	4.27756E-14	110.98	12575
6.47485E+06	3000.0	4.58737E-14	110.68	12575
6.47485E+06	4000.0	4.73716E-14	110.54	12575

3.14353E+06	100.00	2.19091E-13	102.64	6643.9
3.14353E+06	200.00	4.54346E-13	99.470	6643.9
3.14353E+06	400.00	7.15484E-13	97.498	6643.9
3.14353E+06	600.00	9.91380E-13	96.081	6643.9
3.14353E+06	800.00	1.26931E-12	95.008	6643.9
3.14353E+06	1000.0	1.53686E-12	94.177	6643.9
3.14353E+06	1500.0	1.73999E-12	93.638	6643.9
3.14353E+06	2000.0	1.86482E-12	93.337	6643.9
3.14353E+06	3000.0	1.89770E-12	93.262	6643.9
3.14353E+06	4000.0	1.90516E-12	93.244	6643.9



3.71499E+06	100.00	3.85050E-14	110.58	8449.3
3.71499E+06	200.00	7.99159E-14	107.41	8449.3
3.71499E+06	400.00	1.26765E-13	105.41	8449.3
3.71499E+06	600.00	1.78243E-13	103.93	8449.3
3.71499E+06	800.00	2.33196E-13	102.76	8449.3
3.71499E+06	1000.0	2.90200E-13	101.81	8449.3
3.71499E+06	1500.0	3.45299E-13	101.06	8449.3
3.71499E+06	2000.0	3.89705E-13	100.53	8449.3
3.71499E+06	3000.0	4.06184E-13	100.35	8449.3
3.71499E+06	4000.0	4.09267E-13	100.32	8449.3
6.91291E+06	100.00	5.48796E-15	119.17	8942.2
6.91291E+06	200.00	1.13548E-14	116.01	8942.2
6.91291E+06	400.00	1.79031E-14	114.03	8942.2
6.91291E+06	600.00	2.49864E-14	112.59	8942.2
6.91291E+06	800.00	3.24128E-14	111.46	8942.2
6.91291E+06	1000.0	3.99603E-14	110.55	8942.2
6.91291E+06	1500.0	4.68245E-14	109.86	8942.2
6.91291E+06	2000.0	5.19765E-14	109.40	8942.2
6.91291E+06	3000.0	5.36271E-14	109.27	8942.2
6.91291E+06	4000.0	5.39090E-14	109.25	8942.2
7.64102E+05	100.00	1.09858E-11	85.903	7560.0
7.64102E+05	200.00	2.28163E-11	82.729	7560.0
7.64102E+05	400.00	3.61766E-11	80.727	7560.0
7.64102E+05	600.00	5.07685E-11	79.255	7560.0
7.64102E+05	800.00	6.62219E-11	78.101	7560.0
7.64102E+05	1000.0	8.21341E-11	77.166	7560.0
7.64102E+05	1500.0	9.75175E-11	76.420	7560.0
7.64102E+05	2000.0	1.10524E-10	75.877	7560.0
7.64102E+05	3000.0	1.16659E-10	75.642	7560.0
7.64102E+05	4000.0	1.18460E-10	75.575	7560.0



SOURCE LEVEL= 610.00		SOURCE NO	GROUP	2	
RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS	BOTTOM LEVEL	
5.93999E+06	100.00	9.19247E-15	117.15	9720.0	
5.93999E+06	200.00	1.87471E-14	114.05	9720.0	
5.93999E+06	400.00	2.88026E-14	112.19	9720.0	
5.93999E+06	600.00	3.90230E-14	110.87	9720.0	
5.93999E+06	800.00	4.90559E-14	109.87	9720.0	
5.93999E+06	1000.0	5.85693E-14	109.10	9720.0	
5.93999E+06	1500.0	6.57353E-14	108.60	9720.0	
5.93999E+06	2000.0	7.01113E-14	108.32	9720.0	
5.93999E+06	3000.0	7.11033E-14	108.26	9720.0	
5.93999E+06	4000.0	7.15945E-14	108.23	9720.0	
5.28659E+06	100.00	1.31116E-14	114.62	5695.3	
5.28659E+06	200.00	2.75644E-14	111.40	5695.3	
5.28659E+06	400.00	4.41611E-14	109.35	5695.3	
5.28659E+06	600.00	6.18843E-14	107.88	5695.3	
5.28659E+06	800.00	7.95662E-14	106.79	5695.3	
5.28659E+06	1000.0	9.61583E-14	105.97	5695.3	
5.28659E+06	1500.0	1.07697E-13	105.48	5695.3	
5.28659E+06	2000.0	1.14462E-13	105.21	5695.3	
5.28659E+06	3000.0	1.15745E-13	105.16	5695.3	
5.28659E+06	4000.0	1.15916E-13	105.16	5695.3	
1.64599E+06	100.00	1.55975E-12	93.996	6236.5	
1.64599E+06	200.00	3.26118E-12	90.793	6236.5	
1.64599E+06	400.00	5.18770E-12	88.777	6236.5	
1.64599E+06	600.00	7.23061E-12	87.335	6236.5	
1.64599E+06	800.00	9.26126E-12	86.260	6236.5	
1.64599E+06	1000.0	1.11557E-11	85.452	6236.5	
1.64599E+06	1500.0	1.23794E-11	85.000	6236.5	
1.64599E+06	2000.0	1.29509E-11	84.804	6236.5	
1.64599E+06	3000.0	1.30873E-11	84.758	6236.5	
1.64599E+06	4000.0	1.32147E-11	84.716	6236.5	

2.37091E+06	100.00	3.05504E-13	100.25	4091.3
2.37091E+06	200.00	6.63571E-13	96.878	4091.3
2.37091E+06	400.00	1.11124E-12	94.639	4091.3
2.37091E+06	600.00	1.60577E-12	93.040	4091.3
2.37091E+06	800.00	2.08993E-12	91.895	4091.3
2.37091E+06	1000.0	2.51214E-12	91.096	4091.3
2.37091E+06	1500.0	2.70456E-12	90.776	4091.3
2.37091E+06	2000.0	2.76235E-12	90.684	4091.3
2.37091E+06	3000.0	2.76535E-12	90.679	4091.3
2.37091E+06	4000.0	2.76539E-12	90.679	4091.3
5.62200E+06	100.00	4.03150E-15	119.34	4638.2
5.62200E+06	200.00	8.59021E-15	116.05	4638.2
5.62200E+06	400.00	1.40114E-14	113.93	4638.2
5.62200E+06	600.00	1.93802E-14	112.41	4638.2
5.62200E+06	800.00	2.56867E-14	111.29	4638.2
5.62200E+06	1000.0	3.09601E-14	110.48	4638.2
5.62200E+06	1500.0	3.38972E-14	110.09	4638.2
5.62200E+06	2000.0	3.49726E-14	109.95	4638.2
5.62200E+06	3000.0	3.51687E-14	109.93	4638.2
5.62200E+06	4000.0	3.58108E-14	109.85	4638.2
1.23009E+06	100.00	1.73943E-12	93.522	6115.5
1.23009E+06	200.00	3.62617E-12	90.332	6115.5
1.23009E+06	400.00	5.73169E-12	88.344	6115.5
1.23009E+06	600.00	7.92320E-12	86.938	6115.5
1.23009E+06	800.00	1.00536E-11	85.903	6115.5
1.23009E+06	1000.0	1.19919E-11	85.138	6115.5
1.23009E+06	1500.0	1.31678E-11	84.731	6115.5
1.23009E+06	2000.0	1.37176E-11	84.554	6115.5
1.23009E+06	3000.0	1.38834E-11	84.502	6115.5
1.23009E+06	4000.0	1.39276E-11	84.488	6115.5

SOURCE LEVEL= 20.00 SOURCE NO 1 GROUP 3

RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS	BOTTOM LEVEL
1.55128E+06	100.00	5.38807E-14	109.21	6559.6
1.55128E+06	200.00	1.11624E-13	106.04	6559.6
1.55128E+06	400.00	1.75719E-13	104.07	6559.6
1.55128E+06	600.00	2.43958E-13	102.65	6559.6
1.55128E+06	800.00	3.13460E-13	101.56	6559.6
1.55128E+06	1000.0	3.82062E-13	100.70	6559.6
1.55128E+06	1500.0	4.41409E-13	100.07	6559.6
1.55128E+06	2000.0	4.91679E-13	99.603	6559.6
1.55128E+06	3000.0	5.30313E-13	99.275	6559.6
1.55128E+06	4000.0	5.54858E-13	99.078	6559.6
2.78296E+06	100.00	1.22442E-14	116.02	8534.1
2.78296E+06	200.00	2.51173E-14	112.90	8534.1
2.78296E+06	400.00	3.90129E-14	110.99	8534.1
2.78296E+06	600.00	5.35817E-14	109.61	8534.1
2.78296E+06	800.00	6.84786E-14	108.54	8534.1
2.78296E+06	1000.0	8.34146E-14	107.69	8534.1
2.78296E+06	1500.0	9.78432E-14	106.99	8534.1
2.78296E+06	2000.0	1.11937E-13	106.41	8534.1
2.78296E+06	3000.0	1.24192E-13	105.96	8534.1
2.78296E+06	4000.0	1.31297E-13	105.72	8534.1
9.37918E+05	100.00	5.35305E-13	99.002	5567.8
9.37918E+05	200.00	1.07831E-12	95.961	5567.8
9.37918E+05	400.00	1.60573E-12	94.232	5567.8
9.37918E+05	600.00	2.08127E-12	93.105	5567.8
9.37918E+05	800.00	2.48074E-12	92.342	5567.8
9.37918E+05	1000.0	2.79511E-12	91.824	5567.8
9.37918E+05	1500.0	2.93840E-12	91.607	5567.8
9.37918E+05	2000.0	3.02325E-12	91.484	5567.8
9.37918E+05	3000.0	3.13491E-12	91.326	5567.8
9.37918E+05	4000.0	3.23114E-12	91.195	5567.8

SOURCE LEVEL=	20.00	SOURCE NO	2	GROUP	3	
RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS	BOTTOM LEVEL		
3.15673E+06	100.00	2.63215E-15	122.66	8308.0		
3.15673E+06	200.00	5.35660E-15	119.57	8308.0		
3.15673E+06	400.00	8.19649E-15	117.73	8308.0		
3.15673E+06	600.00	1.10544E-14	116.43	8308.0		
3.15673E+06	800.00	1.38366E-14	115.45	8308.0		
3.15673E+06	1000.0	1.64626E-14	114.70	8308.0		
3.15673E+06	1500.0	1.84917E-14	114.19	8308.0		
3.15673E+06	2000.0	1.99343E-14	113.87	8308.0		
3.15673E+06	3000.0	2.11118E-14	113.62	8308.0		
3.15673E+06	4000.0	2.24616E-14	113.35	8308.0		
1.27690E+06	100.00	2.04264E-13	103.65	7690.1		
1.27690E+06	200.00	4.14526E-13	100.58	7690.1		
1.27690E+06	400.00	6.29728E-13	98.764	7690.1		
1.27690E+06	600.00	8.40145E-13	97.512	7690.1		
1.27690E+06	800.00	1.03684E-12	96.598	7690.1		
1.27690E+06	1000.0	1.21277E-12	95.918	7690.1		
1.27690E+06	1500.0	1.32368E-12	95.538	7690.1		
1.27690E+06	2000.0	1.37981E-12	95.357	7690.1		
1.27690E+06	3000.0	1.39144E-12	95.321	7690.1		
1.27690E+06	4000.0	1.39387E-12	95.313	7690.1		
2.52381E+06	100.00	1.06488E-14	116.64	8615.7		
2.52381E+06	200.00	2.17329E-14	113.54	8615.7		
2.52381E+06	400.00	3.34274E-14	111.67	8615.7		
2.52381E+06	600.00	4.53467E-14	110.35	8615.7		
2.52381E+06	800.00	5.70982E-14	109.35	8615.7		
2.52381E+06	1000.0	6.83291E-14	108.57	8615.7		
2.52381E+06	1500.0	7.72968E-14	108.03	8615.7		
2.52381E+06	2000.0	8.39715E-14	107.67	8615.7		
2.52381E+06	3000.0	8.91745E-14	107.41	8615.7		
2.52381E+06	4000.0	9.40002E-14	107.18	8615.7		

SOURCE LEVEL=	20.00	SOURCE NO	3	GROUP	3	BOTTOM LEVEL
RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS			
4.75023E+06	100.00	4.59164E-16	130.16			7957.7
4.75023E+06	200.00	9.43778E-16	127.04			7957.7
4.75023E+06	400.00	1.46790E-15	125.12			7957.7
4.75023E+06	600.00	2.01385E-15	123.74			7957.7
4.75023E+06	800.00	2.56299E-15	122.70			7957.7
4.75023E+06	1000.0	3.09804E-15	121.87			7957.7
4.75023E+06	1500.0	3.54699E-15	121.29			7957.7
4.75023E+06	2000.0	3.89865E-15	120.88			7957.7
4.75023E+06	3000.0	4.19456E-15	120.56			7957.7
4.75023E+06	4000.0	4.47336E-15	120.28			7957.7
7.84766E+05	100.00	6.87252E-13	98.147			6600.0
7.84766E+05	200.00	1.37732E-12	95.128			6600.0
7.84766E+05	400.00	2.04189E-12	93.418			6600.0
7.84766E+05	600.00	2.64576E-12	92.293			6600.0
7.84766E+05	800.00	3.16612E-12	91.513			6600.0
7.84766E+05	1000.0	3.59461E-12	90.962			6600.0
7.84766E+05	1500.0	3.83122E-12	90.685			6600.0
7.84766E+05	2000.0	3.97393E-12	90.526			6600.0
7.84766E+05	3000.0	4.04822E-12	90.445			6600.0
7.84766E+05	4000.0	4.11683E-12	90.372			6600.0
4.11080E+06	100.00	9.28646E-16	127.05			7951.2
4.11080E+06	200.00	1.58695E-15	123.98			7951.2
4.11080E+06	400.00	2.87721E-15	122.14			7951.2
4.11080E+06	600.00	3.86119E-15	120.87			7951.2
4.11080E+06	800.00	4.80227E-15	119.92			7951.2
4.11080E+06	1000.0	5.66931E-15	119.20			7951.2
4.11080E+06	1500.0	6.27157E-15	118.76			7951.2
4.11080E+06	2000.0	6.60724E-15	118.53			7951.2
4.11080E+06	3000.0	6.67494E-15	118.49			7951.2
4.11080E+06	4000.0	6.71434E-15	118.46			7951.2

SOURCE LEVEL= 20.00		SOURCE NO	GROUP	3	BOTTOM LEVEL	
RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS			
6.32029E+06	100.00	3.49722E-16	131.38		8112.8	
6.32029E+06	200.00	7.13520E-16	128.28		8112.8	
6.32029E+06	400.00	1.09426E-15	126.42		8112.8	
6.32029E+06	600.00	1.47563E-15	125.13		8112.8	
6.32029E+06	800.00	1.84157E-15	124.16		8112.8	
6.32029E+06	1000.0	2.17839E-15	123.43		8112.8	
6.32029E+06	1500.0	2.40956E-15	123.00		8112.8	
6.32029E+06	2000.0	2.53985E-15	122.77		8112.8	
6.32029E+06	3000.0	2.57762E-15	122.70		8112.8	
6.32029E+06	4000.0	2.60814E-15	122.65		8112.8	
2.67311E+06	100.00	6.09097E-15	117.72		3063.0	
2.67311E+06	200.00	1.31117E-14	114.39		3063.0	
2.67311E+06	400.00	2.13945E-14	112.26		3063.0	
2.67311E+06	600.00	2.97891E-14	110.83		3063.0	
2.67311E+06	800.00	3.71379E-14	109.87		3063.0	
2.67311E+06	1000.0	4.27340E-14	109.26		3063.0	
2.67311E+06	1500.0	4.47222E-14	109.06		3063.0	
2.67311E+06	2000.0	4.66610E-14	108.88		3063.0	
2.67311E+06	3000.0	4.68190E-14	108.86		3063.0	
2.67311E+06	4000.0	0.			3063.0	
5.74621E+06	100.00	6.32279E-16	128.43		6343.5	
5.74621E+06	200.00	1.29091E-15	125.33		6343.5	
5.74621E+06	400.00	1.97328E-15	123.49		6343.5	
5.74621E+06	600.00	2.64147E-15	122.22		6343.5	
5.74621E+06	800.00	3.26502E-15	121.30		6343.5	
5.74621E+06	1000.0	3.82530E-15	120.61		6343.5	
5.74621E+06	1500.0	4.21297E-15	120.19		6343.5	
5.74621E+06	2000.0	4.45402E-15	119.95		6343.5	
5.74621E+06	3000.0	4.53935E-15	119.87		6343.5	
5.74621E+06	4000.0	4.66679E-15	119.75		6343.5	

SOURCE LEVEL=	20.00	SOURCE NO	5	GROUP	3	
RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS			BOTTOM LEVEL
6.67141E+06	100.00	1.70930E-17	142.17			944.30
6.67141E+06	200.00	3.24621E-17	139.39			944.30
6.67141E+06	400.00	3.65260E-17	138.87			944.30
6.67141E+06	600.00	4.71861E-17	137.76			944.30
6.67141E+06	800.00	5.13375E-17	137.40			944.30
6.67141E+06	1000.0	0.				944.30
6.67141E+06	1500.0	0.				944.30
6.67141E+06	2000.0	0.				944.30
6.67141E+06	3000.0	0.				944.30
6.67141E+06	4000.0	0.				944.30
2.65310E+06	100.00	2.55289E-15	118.43			414.71
2.65310E+06	200.00	3.00972E-15	117.72			414.71
2.65310E+06	400.00	3.00976E-15	117.72			414.71
2.65310E+06	600.00	0.				414.71
2.65310E+06	800.00	0.				414.71
2.65310E+06	1000.0	0.				414.71
2.65310E+06	1500.0	0.				414.71
2.65310E+06	2000.0	0.				414.71
2.65310E+06	3000.0	0.				414.71
2.65310E+06	4000.0	0.				414.71
5.97760E+06	100.00	1.97661E-17	141.38			886.42
5.97760E+06	200.00	3.33597E-17	139.11			886.42
5.97760E+06	400.00	4.23477E-17	138.07			886.42
5.97760E+06	600.00	5.49572E-17	136.94			886.42
5.97760E+06	800.00	6.59704E-17	136.15			886.42
5.97760E+06	1000.0	0.				886.42
5.97760E+06	1500.0	0.				886.42
5.97760E+06	2000.0	0.				886.42
5.97760E+06	3000.0	0.				886.42
5.97760E+06	4000.0	0.				886.42



SOURCE LEVEL= 210.00		SOURCE NO	GROUP	
RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS	BOTTOM LEVEL
1.55128E+06	100.00	4.85559E-12	89.277	6559.6
1.55128E+06	200.00	9.87578E-12	86.194	6559.6
1.55128E+06	400.00	1.50273E-11	84.371	6559.6
1.55128E+06	600.00	2.00477E-11	83.119	6559.6
1.55128E+06	800.00	2.47149E-11	82.210	6559.6
1.55128E+06	1000.0	2.88794E-11	81.533	6559.6
1.55128E+06	1500.0	3.16616E-11	81.134	6559.6
1.55128E+06	2000.0	3.35337E-11	80.885	6559.6
1.55128E+06	3000.0	3.49813E-11	80.701	6559.6
1.55128E+06	4000.0	3.56815E-11	80.615	6559.6
2.78296E+06	100.00	4.17105E-13	100.43	8534.1
2.78296E+06	200.00	8.50243E-13	97.336	8534.1
2.78296E+06	400.00	1.30353E-12	95.480	8534.1
2.78296E+06	600.00	1.75951E-12	94.178	8534.1
2.78296E+06	800.00	2.20071E-12	93.206	8534.1
2.78296E+06	1000.0	2.61186E-12	92.462	8534.1
2.78296E+06	1500.0	2.90945E-12	91.993	8534.1
2.78296E+06	2000.0	3.09979E-12	91.720	8534.1
2.78296E+06	3000.0	3.21302E-12	91.562	8534.1
2.78296E+06	4000.0	3.33652E-12	91.399	8534.1
9.37918E+05	100.00	8.76668E-12	86.473	5567.8
9.37918E+05	200.00	1.79105E-11	83.370	5567.8
9.37918E+05	400.00	2.72985E-11	81.540	5567.8
9.37918E+05	600.00	3.62411E-11	80.309	5567.8
9.37918E+05	800.00	4.41692E-11	79.450	5567.8
9.37918E+05	1000.0	5.07365E-11	78.848	5567.8
9.37918E+05	1500.0	5.39001E-11	78.585	5567.8
9.37918E+05	2000.0	5.51079E-11	78.489	5567.8
9.37918E+05	3000.0	5.54394E-11	78.463	5567.8
9.37918E+05	4000.0	5.58526E-11	78.431	5567.8



SOURCE LEVEL= 210.00		SOURCE NO	2	GROUP	3	
RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS	BOTTOM LEVEL		
3.15673E+06	100.00	3.64629E-13	100.98	8308.0		
3.15673E+06	200.00	7.59896E-13	97.790	8308.0		
3.15673E+06	400.00	1.21133E-12	95.764	8308.0		
3.15673E+06	600.00	1.70776E-12	94.273	8308.0		
3.15673E+06	800.00	2.23361E-12	93.107	8308.0		
3.15673E+06	1000.0	2.77052E-12	92.172	8308.0		
3.15673E+06	1500.0	3.25649E-12	91.470	8308.0		
3.15673E+06	2000.0	3.62239E-12	91.007	8308.0		
3.15673E+06	3000.0	3.77384E-12	90.829	8308.0		
3.15673E+06	4000.0	3.82571E-12	90.770	8308.0		
1.27690E+06	100.00	1.76690E-10	74.019	7690.1		
1.27690E+06	200.00	3.67692E-10	70.836	7690.1		
1.27690E+06	400.00	5.83156E-10	68.833	7690.1		
1.27690E+06	600.00	8.14928E-10	67.380	7690.1		
1.27690E+06	800.00	1.05252E-09	66.269	7690.1		
1.27690E+06	1000.0	1.28448E-09	65.404	7690.1		
1.27690E+06	1500.0	1.46038E-09	64.847	7690.1		
1.27690E+06	2000.0	1.55796E-09	64.566	7690.1		
1.27690E+06	3000.0	1.57126E-09	64.529	7690.1		
1.27690E+06	4000.0	1.57414E-09	64.521	7690.1		
2.52381E+06	100.00	4.72457E-13	99.906	8615.7		
2.52381E+06	200.00	9.65154E-13	96.803	8615.7		
2.52381E+06	400.00	1.48705E-12	94.926	8615.7		
2.52381E+06	600.00	2.02173E-12	93.592	8615.7		
2.52381E+06	800.00	2.55290E-12	92.579	8615.7		
2.52381E+06	1000.0	3.06603E-12	91.783	8615.7		
2.52381E+06	1500.0	3.49158E-12	91.219	8615.7		
2.52381E+06	2000.0	3.80829E-12	90.842	8615.7		
2.52381E+06	3000.0	3.93956E-12	90.695	8615.7		
2.52381E+06	4000.0	3.98569E-12	90.644	8615.7		

SOURCE LEVEL= 210.00		SOURCE NO	GROUP	3	
RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS	BOTTOM LEVEL	
4.75023E+06	100.00	5.75367E-13	98.903	7957.7	
4.75023E+06	200.00	1.20172E-12	95.705	7957.7	
4.75023E+06	400.00	1.93154E-12	93.644	7957.7	
4.75023E+06	600.00	2.76688E-12	92.083	7957.7	
4.75023E+06	800.00	3.71088E-12	90.808	7957.7	
4.75023E+06	1000.0	4.76761E-12	89.720	7957.7	
4.75023E+06	1500.0	6.10679E-12	88.645	7957.7	
4.75023E+06	2000.0	7.60914E-12	87.689	7957.7	
4.75023E+06	3000.0	8.61123E-12	87.152	7957.7	
4.75023E+06	4000.0	9.08263E-12	86.921	7957.7	
7.84766E+05	100.00	1.32537E-11	84.901	6600.0	
7.84766E+05	200.00	2.69834E-11	81.814	6600.0	
7.84766E+05	400.00	4.10499E-11	79.992	6600.0	
7.84766E+05	600.00	5.46039E-11	78.753	6600.0	
7.84766E+05	800.00	6.68935E-11	77.871	6600.0	
7.84766E+05	1000.0	7.73865E-11	77.238	6600.0	
7.84766E+05	1500.0	8.28583E-11	76.941	6600.0	
7.84766E+05	2000.0	8.49157E-11	76.835	6600.0	
7.84766E+05	3000.0	8.53388E-11	76.813	6600.0	
7.84766E+05	4000.0	8.59077E-11	76.785	6600.0	
4.11080E+06	100.00	3.30272E-13	101.26	7951.2	
4.11080E+06	200.00	6.77400E-13	98.142	7951.2	
4.11080E+06	400.00	1.04909E-12	96.243	7951.2	
4.11080E+06	600.00	1.43161E-12	94.892	7951.2	
4.11080E+06	800.00	1.81103E-12	93.871	7951.2	
4.11080E+06	1000.0	2.17518E-12	93.076	7951.2	
4.11080E+06	1500.0	2.47395E-12	92.517	7951.2	
4.11080E+06	2000.0	2.74069E-12	92.072	7951.2	
4.11080E+06	3000.0	3.35649E-12	91.192	7951.2	
4.11080E+06	4000.0	4.35180E-12	90.064	7951.2	

SOURCE LEVEL= 210.00 SOURCE NO 4 GROUP 3

RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS	BOTTOM LEVEL
6.32029E+06	100.00	1.63419E-14	114.35	8112.8
6.32029E+06	200.00	3.46586E-14	111.09	8112.8
6.32029E+06	400.00	5.69377E-14	108.93	8112.8
6.32029E+06	600.00	8.28929E-14	107.30	8112.8
6.32029E+06	800.00	1.11856E-13	106.00	8112.8
6.32029E+06	1000.0	1.42820E-13	104.94	8112.8
6.32029E+06	1500.0	1.73249E-13	104.10	8112.8
6.32029E+06	2000.0	1.96633E-13	103.55	8112.8
6.32029E+06	3000.0	2.07722E-13	103.31	8112.8
6.32029E+06	4000.0	2.24379E-13	102.98	8112.8
2.67311E+06	100.00	3.33318E-12	89.775	3063.0
2.67311E+06	200.00	7.07359E-12	86.507	3063.0
2.67311E+06	400.00	1.10015E-11	84.589	3063.0
2.67311E+06	600.00	1.42477E-11	83.466	3063.0
2.67311E+06	800.00	1.63678E-11	82.864	3063.0
2.67311E+06	1000.0	1.74693E-11	82.581	3063.0
2.67311E+06	1500.0	1.75646E-11	82.557	3063.0
2.67311E+06	2000.0	1.75903E-11	82.551	3063.0
2.67311E+06	3000.0	1.75913E-11	82.551	3063.0
2.67311E+06	4000.0	0.		3063.0
5.74621E+06	100.00	4.16595E-14	109.85	6343.5
5.74621E+06	200.00	8.80086E-14	106.60	6343.5
5.74621E+06	400.00	1.42608E-13	104.50	6343.5
5.74621E+06	600.00	2.02869E-13	102.97	6343.5
5.74621E+06	800.00	2.65288E-13	101.81	6343.5
5.74621E+06	1000.0	3.26142E-13	100.91	6343.5
5.74621E+06	1500.0	3.71573E-13	100.35	6343.5
5.74621E+06	2000.0	3.99318E-13	100.03	6343.5
5.74621E+06	3000.0	4.08005E-13	99.939	6343.5
5.74621E+06	4000.0	4.09649E-13	99.922	6343.5

SOURCE LEVEL= 410.00		SOURCE NO	1	GROUP	3	
RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS	BOTTOM LEVEL		
1.55128E+06	100.00	3.12835E-13	101.15	6559.6		
1.55128E+06	200.00	6.48549E-13	97.983	6559.6		
1.55128E+06	400.00	1.01700E-12	96.029	6559.6		
1.55128E+06	600.00	1.39663E-12	94.652	6559.6		
1.55128E+06	800.00	1.76440E-12	93.636	6559.6		
1.55128E+06	1000.0	2.10003E-12	92.880	6559.6		
1.55128E+06	1500.0	2.30930E-12	92.468	6559.6		
1.55128E+06	2000.0	2.40633E-12	92.289	6559.6		
1.55128E+06	3000.0	2.42198E-12	92.261	6559.6		
1.55128E+06	4000.0	2.42909E-12	92.248	6559.6		
2.78296E+06	100.00	5.80886E-14	108.95	8534.1		
2.78296E+06	200.00	1.19066E-13	105.84	8534.1		
2.78296E+06	400.00	1.84138E-13	103.94	8534.1		
2.78296E+06	600.00	2.50699E-13	102.60	8534.1		
2.78296E+06	800.00	3.16000E-13	101.60	8534.1		
2.78296E+06	1000.0	3.77495E-13	100.83	8534.1		
2.78296E+06	1500.0	4.22083E-13	100.34	8534.1		
2.78296E+06	2000.0	4.48070E-13	100.08	8534.1		
2.78296E+06	3000.0	4.55339E-13	100.01	8534.1		
2.78296E+06	4000.0	4.65593E-13	99.915	8534.1		
9.37918E+05	100.00	1.52284E-12	94.038	5567.8		
9.37918E+05	200.00	3.20365E-12	90.808	5567.8		
9.37918E+05	400.00	5.13091E-12	88.762	5567.8		
9.37918E+05	600.00	7.17375E-12	87.307	5567.8		
9.37918E+05	800.00	9.18199E-12	86.235	5567.8		
9.37918E+05	1000.0	1.10210E-11	85.442	5567.8		
9.37918E+05	1500.0	1.21537E-11	85.017	5567.8		
9.37918E+05	2000.0	1.27145E-11	84.821	5567.8		
9.37918E+05	3000.0	1.29138E-11	84.754	5567.8		
9.37918E+05	4000.0	1.31883E-11	84.663	5567.8		

SOURCE LEVEL=		410.00	SOURCE NO	2	GROUP	3	BOTTOM LEVEL
RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS				
3.15673E+06	100.00	2.80044E-14	112.09			8308.0	
3.15673E+06	200.00	5.74302E-14	108.97			8308.0	
3.15673E+06	400.00	8.88189E-14	107.08			8308.0	
3.15673E+06	600.00	1.20803E-13	105.74			8308.0	
3.15673E+06	800.00	1.51940E-13	104.74			8308.0	
3.15673E+06	1000.0	1.80906E-13	103.99			8308.0	
3.15673E+06	1500.0	2.00771E-13	103.53			8308.0	
3.15673E+06	2000.0	2.11143E-13	103.31			8308.0	
3.15673E+06	3000.0	2.12640E-13	103.28			8308.0	
3.15673E+06	4000.0	2.13094E-13	103.27			8308.0	
1.27690E+06	100.00	2.39002E-12	92.562			7690.1	
1.27690E+06	200.00	4.93902E-12	89.410			7690.1	
1.27690E+06	400.00	7.73058E-12	87.464			7690.1	
1.27690E+06	600.00	1.06377E-11	86.078			7690.1	
1.27690E+06	800.00	1.35174E-11	85.037			7690.1	
1.27690E+06	1000.0	1.62315E-11	84.242			7690.1	
1.27690E+06	1500.0	1.81196E-11	83.765			7690.1	
1.27690E+06	2000.0	1.90927E-11	83.537			7690.1	
1.27690E+06	3000.0	1.92118E-11	83.510			7690.1	
1.27690E+06	4000.0	1.92350E-11	83.505			7690.1	
2.52381E+06	100.00	1.05872E-13	106.36			8615.7	
2.52381E+06	200.00	2.17140E-13	103.25			8615.7	
2.52381E+06	400.00	3.36051E-13	101.35			8615.7	
2.52381E+06	600.00	4.57678E-13	100.01			8615.7	
2.52381E+06	800.00	5.76771E-13	99.003			8615.7	
2.52381E+06	1000.0	6.88445E-13	98.234			8615.7	
2.52381E+06	1500.0	7.67540E-13	97.762			8615.7	
2.52381E+06	2000.0	8.11918E-13	97.517			8615.7	
2.52381E+06	3000.0	8.28039E-13	97.432			8615.7	
2.52381E+06	4000.0	8.53679E-13	97.300			8615.7	

SOURCE LEVEL= 410.00			SOURCE NO	GROUP	3	BOTTOM LEVEL
RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS			
4.75023E+06	100.00	2.52747E-14	112.44			7957.7
4.75023E+06	200.00	5.19234E-14	109.31			7957.7
4.75023E+06	400.00	8.04180E-14	107.41			7957.7
4.75023E+06	600.00	1.09348E-13	106.08			7957.7
4.75023E+06	800.00	1.37242E-13	105.09			7957.7
4.75023E+06	1000.0	1.62786E-13	104.35			7957.7
4.75023E+06	1500.0	1.79180E-13	103.93			7957.7
4.75023E+06	2000.0	1.86892E-13	103.75			7957.7
4.75023E+06	3000.0	1.87924E-13	103.72			7957.7
4.75023E+06	4000.0	1.89303E-13	103.69			7957.7
7.84766E+05	100.00	1.12460E-11	85.576			6600.0
7.84766E+05	200.00	2.35425E-11	82.367			6600.0
7.84766E+05	400.00	3.75449E-11	80.340			6600.0
7.84766E+05	600.00	5.25035E-11	78.884			6600.0
7.84766E+05	800.00	6.75203E-11	77.791			6600.0
7.84766E+05	1000.0	8.17204E-11	76.962			6600.0
7.84766E+05	1500.0	9.14495E-11	76.474			6600.0
7.84766E+05	2000.0	9.64978E-11	76.240			6600.0
7.84766E+05	3000.0	9.72938E-11	76.205			6600.0
7.84766E+05	4000.0	9.76347E-11	76.190			6600.0
4.11080E+06	100.00	5.07104E-14	109.36			7951.2
4.11080E+06	200.00	1.04929E-13	106.20			7951.2
4.11080E+06	400.00	1.64855E-13	104.24			7951.2
4.11080E+06	600.00	2.28259E-13	102.83			7951.2
4.11080E+06	800.00	2.92587E-13	101.75			7951.2
4.11080E+06	1000.0	3.55294E-13	100.91			7951.2
4.11080E+06	1500.0	4.05384E-13	100.33			7951.2
4.11080E+06	2000.0	4.38237E-13	99.994			7951.2
4.11080E+06	3000.0	4.52135E-13	99.859			7951.2
4.11080E+06	4000.0	4.75337E-13	99.641			7951.2

SOURCE LEVEL=		410.00	SOURCE NO	4	GROUP	3	BOTTOM LEVEL
RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS				
6.32029E+06	100.00	2.69136E-15	122.20				8112.8
6.32029E+06	200.00	5.56421E-15	119.05				8112.8
6.32029E+06	400.00	8.73094E-15	117.09				8112.8
6.32029E+06	600.00	1.20737E-14	115.68				8112.8
6.32029E+06	800.00	1.54576E-14	114.61				8112.8
6.32029E+06	1000.0	1.87488E-14	113.77				8112.8
6.32029E+06	1500.0	2.13883E-14	113.20				8112.8
6.32029E+06	2000.0	2.32644E-14	112.83				8112.8
6.32029E+06	3000.0	2.45845E-14	112.59				8112.8
6.32029E+06	4000.0	2.54947E-14	112.44				8112.8
2.67311E+06	100.00	1.87975E-13	102.22				3063.0
2.67311E+06	200.00	4.22064E-13	98.712				3063.0
2.67311E+06	400.00	7.26521E-13	96.353				3063.0
2.67311E+06	600.00	1.04032E-12	94.794				3063.0
2.67311E+06	800.00	1.29758E-12	93.834				3063.0
2.67311E+06	1000.0	1.46640E-12	93.303				3063.0
2.67311E+06	1500.0	1.49094E-12	93.231				3063.0
2.67311E+06	2000.0	1.49247E-12	93.226				3063.0
2.67311E+06	3000.0	1.49278E-12	93.225				3063.0
2.67311E+06	4000.0	0.					3063.0
5.74621E+06	100.00	4.73619E-15	119.25				6343.5
5.74621E+06	200.00	9.86495E-15	116.07				6343.5
5.74621E+06	400.00	1.55799E-14	114.08				6343.5
5.74621E+06	600.00	2.15346E-14	112.68				6343.5
5.74621E+06	800.00	2.73469E-14	111.64				6343.5
5.74621E+06	1000.0	3.26789E-14	110.86				6343.5
5.74621E+06	1500.0	3.61577E-14	110.43				6343.5
5.74621E+06	2000.0	3.85099E-14	110.15				6343.5
5.74621E+06	3000.0	4.16617E-14	109.81				6343.5
5.74621E+06	4000.0	4.37311E-14	109.60				6343.5



SOURCE LEVEL= 610.00			SOURCE NO	GROUP	3
RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS	BOTTOM LEVEL	
1.55128E+06	100.00	4.25142E-13	99.749	6559.6	
1.55128E+06	200.00	8.83708E-13	96.571	6559.6	
1.55128E+06	400.00	1.39144E-12	94.599	6559.6	
1.55128E+06	600.00	1.91811E-12	93.205	6559.6	
1.55128E+06	800.00	2.43054E-12	92.177	6559.6	
1.55128E+06	1000.0	2.89910E-12	91.411	6559.6	
1.55128E+06	1500.0	3.19162E-12	90.994	6559.6	
1.55128E+06	2000.0	3.33572E-12	90.802	6559.6	
1.55128E+06	3000.0	3.38550E-12	90.738	6559.6	
1.55128E+06	4000.0	3.40014E-12	90.719	6559.6	
2.78296E+06	100.00	6.53669E-14	108.37	8534.1	
2.78296E+06	200.00	1.34645E-13	105.23	8534.1	
2.78296E+06	400.00	2.10046E-13	103.30	8534.1	
2.78296E+06	600.00	2.88770E-13	101.92	8534.1	
2.78296E+06	800.00	3.67674E-13	100.87	8534.1	
2.78296E+06	1000.0	4.43655E-13	100.06	8534.1	
2.78296E+06	1500.0	5.02141E-13	99.518	8534.1	
2.78296E+06	2000.0	5.38455E-13	99.215	8534.1	
2.78296E+06	3000.0	5.49872E-13	99.124	8534.1	
2.78296E+06	4000.0	5.61352E-13	99.034	8534.1	
9.37918E+05	100.00	2.20646E-12	92.235	5567.8	
9.37918E+05	200.00	4.61818E-12	89.027	5567.8	
9.37918E+05	400.00	7.32221E-12	87.025	5567.8	
9.37918E+05	600.00	1.01100E-11	85.624	5567.8	
9.37918E+05	800.00	1.27560E-11	84.615	5567.8	
9.37918E+05	1000.0	1.50724E-11	83.890	5567.8	
9.37918E+05	1500.0	1.62647E-11	83.559	5567.8	
9.37918E+05	2000.0	1.67104E-11	83.442	5567.8	
9.37918E+05	3000.0	1.70670E-11	83.350	5567.8	
9.37918E+05	4000.0	1.73300E-11	83.284	5567.8	



SOURCE LEVEL= 610.00

SOURCE NO 2

GROUP 3

RANGE

RECEIVER DEPTH

INTENSITY

TR LOSS

BOTTOM LEVEL

3.15673E+06  
3.15673E+06  
3.15673E+06  
3.15673E+06  
3.15673E+06  
3.15673E+06  
3.15673E+06  
3.15673E+06  
3.15673E+06  
3.15673E+06

100.00  
200.00  
400.00  
600.00  
800.00  
1000.0  
1500.0  
2000.0  
3000.0  
4000.0

4.85166E-14  
9.98415E-14  
1.55452E-13  
2.13217E-13  
2.70819E-13  
3.26054E-13  
3.68633E-13  
3.96150E-13  
4.06779E-13  
4.14721E-13

109.63  
106.50  
104.58  
103.20  
102.17  
101.36  
100.83  
100.51  
100.40  
100.32

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1.27690E+06  
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400.00  
600.00  
800.00  
1000.0  
1500.0  
2000.0  
3000.0  
4000.0

1.89741E-12  
3.92821E-12  
6.16998E-12  
8.52868E-12  
1.08999E-11  
1.31862E-11  
1.50001E-11  
1.63396E-11  
1.72042E-11  
1.76668E-11

93.497  
90.336  
88.375  
86.969  
85.904  
85.077  
84.517  
84.146  
83.922  
83.807

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2.52381E+06  
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100.00  
200.00  
400.00  
600.00  
800.00  
1000.0  
1500.0  
2000.0  
3000.0  
4000.0

1.97103E-13  
4.06520E-13  
6.35509E-13  
8.75545E-13  
1.11683E-12  
1.34952E-12  
1.52748E-12  
1.63474E-12  
1.66119E-12  
1.67647E-12

103.60  
100.45  
98.513  
97.122  
96.065  
95.243  
94.705  
94.410  
94.341  
94.301

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SOURCE LEVEL=	610.00	SOURCE NO	3	GROUP	3	TR LOSS	BOTTOM LEVEL
RANGE	RECEIVER DEPTH	INTENSITY					
4.75023E+06	100.00	3.08515E-14				111.50	7957.7
4.75023E+06	200.00	6.39265E-14				108.33	7957.7
4.75023E+06	400.00	1.00620E-13				106.36	7957.7
4.75023E+06	600.00	1.39484E-13				104.95	7957.7
4.75023E+06	800.00	1.78828E-13				103.87	7957.7
4.75023E+06	1000.0	2.16959E-13				103.03	7957.7
4.75023E+06	1500.0	2.46617E-13				102.47	7957.7
4.75023E+06	2000.0	2.66208E-13				102.14	7957.7
4.75023E+06	3000.0	2.80271E-13				101.91	7957.7
4.75023E+06	4000.0	2.94891E-13				101.69	7957.7
7.84766E+05	100.00	4.44321E-12				89.536	6600.0
7.84766E+05	200.00	9.24841E-12				86.352	6600.0
7.84766E+05	400.00	1.45988E-11				84.370	6600.0
7.84766E+05	600.00	2.01831E-11				82.963	6600.0
7.84766E+05	800.00	2.56539E-11				81.921	6600.0
7.84766E+05	1000.0	3.06946E-11				81.142	6600.0
7.84766E+05	1500.0	3.39070E-11				80.710	6600.0
7.84766E+05	2000.0	3.54812E-11				80.513	6600.0
7.84766E+05	3000.0	3.58851E-11				80.464	6600.0
7.84766E+05	4000.0	3.61007E-11				80.438	6600.0
4.11080E+06	100.00	5.87224E-14				108.65	7951.2
4.11080E+06	200.00	1.21697E-13				105.49	7951.2
4.11080E+06	400.00	1.91616E-13				103.51	7951.2
4.11080E+06	600.00	2.65747E-13				102.09	7951.2
4.11080E+06	800.00	3.40905E-13				101.01	7951.2
4.11080E+06	1000.0	4.13921E-13				100.17	7951.2
4.11080E+06	1500.0	4.71564E-13				99.603	7951.2
4.11080E+06	2000.0	5.10414E-13				99.259	7951.2
4.11080E+06	3000.0	5.26926E-13				99.121	7951.2
4.11080E+06	4000.0	5.31542E-13				99.083	7951.2

SOURCE LEVEL= 610.00			GROUP 3		BOTTOM LEVEL	
RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS			
6.32029E+06	100.00	2.01622E-15	123.38		8112.8	
6.32029E+06	200.00	4.16036E-15	120.24		8112.8	
6.32029E+06	400.00	6.50057E-15	118.30		8112.8	
6.32029E+06	600.00	8.93732E-15	116.92		8112.8	
6.32029E+06	800.00	1.13591E-14	115.87		8112.8	
6.32029E+06	1000.0	1.36580E-14	115.07		8112.8	
6.32029E+06	1500.0	1.53245E-14	114.57		8112.8	
6.32029E+06	2000.0	1.62833E-14	114.31		8112.8	
6.32029E+06	3000.0	1.66074E-14	114.22		8112.8	
6.32029E+06	4000.0	1.69032E-14	114.15		8112.8	
2.67311E+06	100.00	4.40621E-14	108.30		3063.0	
2.67311E+06	200.00	9.93500E-14	104.77		3063.0	
2.67311E+06	400.00	1.74243E-13	102.33		3063.0	
2.67311E+06	600.00	2.58958E-13	100.61		3063.0	
2.67311E+06	800.00	3.42672E-13	99.395		3063.0	
2.67311E+06	1000.0	4.20030E-13	98.511		3063.0	
2.67311E+06	1500.0	4.80709E-13	97.925		3063.0	
2.67311E+06	2000.0	5.09367E-13	97.674		3063.0	
2.67311E+06	3000.0	5.09910E-13	97.669		3063.0	
2.67311E+06	4000.0	0.			3063.0	
5.74621E+06	100.00	8.99765E-15	116.39		6343.5	
5.74621E+06	200.00	1.87652E-14	113.20		6343.5	
5.74621E+06	400.00	2.97199E-14	111.21		6343.5	
5.74621E+06	600.00	4.12508E-14	109.78		6343.5	
5.74621E+06	800.00	5.26909E-14	108.72		6343.5	
5.74621E+06	1000.0	6.34501E-14	107.91		6343.5	
5.74621E+06	1500.0	7.11488E-14	107.41		6343.5	
5.74621E+06	2000.0	7.59653E-14	107.13		6343.5	
5.74621E+06	3000.0	7.85674E-14	106.98		6343.5	
5.74621E+06	4000.0	8.02140E-14	106.89		6343.5	

SOURCE LEVEL= 20.00 SOURCE NO 1 GROUP 4

RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS	BOTTOM LE
1.50172E+06	100.00	5.40795E-14	110.00	11053
1.50172E+06	200.00	1.08955E-13	106.96	11053
1.50172E+06	400.00	1.64455E-13	105.17	11053
1.50172E+06	600.00	2.19281E-13	103.92	11053
1.50172E+06	800.00	2.72208E-13	102.98	11053
1.50172E+06	1000.0	3.22188E-13	102.25	11053
1.50172E+06	1500.0	3.61940E-13	101.74	11053
1.50172E+06	2000.0	3.91208E-13	101.41	11053
1.50172E+06	3000.0	4.11672E-13	101.18	11053
1.50172E+06	4000.0	4.36660E-13	100.93	11053
2.18892E+06	100.00	8.38383E-15	117.76	9389.0
2.18892E+06	200.00	1.70421E-14	114.68	9389.0
2.18892E+06	400.00	2.61310E-14	112.82	9389.0
2.18892E+06	600.00	3.54817E-14	111.50	9389.0
2.18892E+06	800.00	4.49204E-14	110.47	9389.0
2.18892E+06	1000.0	5.42765E-14	109.65	9389.0
2.18892E+06	1500.0	6.27618E-14	109.02	9389.0
2.18892E+06	2000.0	6.96862E-14	108.56	9389.0
2.18892E+06	3000.0	7.30978E-14	108.36	9389.0
2.18892E+06	4000.0	7.44360E-14	108.28	9389.0
3.10619E+06	100.00	4.59348E-15	120.81	12086
3.10619E+06	200.00	9.31326E-15	117.75	12086
3.10619E+06	400.00	1.42289E-14	115.90	12086
3.10619E+06	600.00	1.92586E-14	114.59	12086
3.10619E+06	800.00	2.43181E-14	113.58	12086
3.10619E+06	1000.0	2.93247E-14	112.76	12086
3.10619E+06	1500.0	3.38896E-14	112.14	12086
3.10619E+06	2000.0	3.77307E-14	111.67	12086
3.10619E+06	3000.0	4.01227E-14	111.40	12086
3.10619E+06	4000.0	4.17184E-14	111.23	12086

SOURCE LEVEL= 20.00		SOURCE NO	GROUP	4	BOTTOM LOSS
RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS		
3.11519E+06	100.00	7.56408E-16	128.53		10693
3.11519E+06	200.00	1.52768E-15	125.47		10693
3.11519E+06	400.00	2.31807E-15	123.66		10693
3.11519E+06	600.00	3.11369E-15	122.38		10693
3.11519E+06	800.00	3.90179E-15	121.40		10693
3.11519E+06	1000.0	4.67152E-15	120.62		10693
3.11519E+06	1500.0	5.36334E-15	120.02		10693
3.11519E+06	2000.0	5.95791E-15	119.56		10693
3.11519E+06	3000.0	6.35299E-15	119.28		10693
3.11519E+06	4000.0	6.54852E-15	119.15		10693
3.48087E+06	100.00	5.15874E-15	120.19		11243
3.48087E+06	200.00	1.05271E-14	117.09		11243
3.48087E+06	400.00	1.62618E-14	115.20		11243
3.48087E+06	600.00	2.22790E-14	113.84		11243
3.48087E+06	800.00	2.84822E-14	112.77		11243
3.48087E+06	1000.0	3.47671E-14	111.90		11243
3.48087E+06	1500.0	4.07926E-14	111.21		11243
3.48087E+06	2000.0	4.59995E-14	110.69		11243
3.48087E+06	3000.0	4.90050E-14	110.41		11243
3.48087E+06	4000.0	5.06561E-14	110.27		11243
3.61488E+06	100.00	2.44094E-15	123.60		11977
3.61488E+06	200.00	4.95298E-15	120.52		11977
3.61488E+06	400.00	7.57208E-15	118.68		11977
3.61488E+06	600.00	1.02465E-14	117.37		11977
3.61488E+06	800.00	1.29216E-14	116.36		11977
3.61488E+06	1000.0	1.55429E-14	115.56		11977
3.61488E+06	1500.0	1.78262E-14	114.96		11977
3.61488E+06	2000.0	1.95956E-14	114.55		11977
3.61488E+06	3000.0	2.04316E-14	114.37		11977
3.61488E+06	4000.0	2.08830E-14	114.27		11977

SOURCE LEVEL=		20.00	SOURCE NO	3	GROUP	4
RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS	BOTTOM L		
4.6A267E+06	100.00	1.30592E-15	125.92	9577.4		
4.6A267E+06	200.00	2.64717E-15	122.85	9577.4		
4.6A267E+06	400.00	4.02A87E-15	121.03	9577.4		
4.6A267E+06	600.00	5.40822E-15	119.75	9577.4		
4.6A267E+06	800.00	6.74303E-15	118.79	9577.4		
4.6A267E+06	1000.0	7.99559E-15	118.05	9577.4		
4.6A267E+06	1500.0	8.93371E-15	117.57	9577.4		
4.6A267E+06	2000.0	9.52930E-15	117.29	9577.4		
4.6A267E+06	3000.0	9.78337E-15	117.18	9577.4		
4.6A267E+06	4000.0	1.04219E-14	116.90	9577.4		
4.91088E+06	100.00	1.34362E-15	125.85	9827.5		
4.91088E+06	200.00	2.73029E-15	122.77	9827.5		
4.91088E+06	400.00	4.17994E-15	120.92	9827.5		
4.91088E+06	600.00	5.65992E-15	119.60	9827.5		
4.91088E+06	800.00	7.13761E-15	118.60	9827.5		
4.91088E+06	1000.0	8.58273E-15	117.80	9827.5		
4.91088E+06	1500.0	9.84335E-15	117.20	9827.5		
4.91088E+06	2000.0	1.08386E-14	116.78	9827.5		
4.91088E+06	3000.0	1.13182E-14	116.59	9827.5		
4.91088E+06	4000.0	1.14999E-14	116.53	9827.5		
4.60309E+06	100.00	1.61016E-15	123.67	3771.6		
4.60309E+06	200.00	3.27923E-15	120.58	3771.6		
4.60309E+06	400.00	4.91442E-15	118.83	3771.6		
4.60309E+06	600.00	6.34589E-15	117.72	3771.6		
4.60309E+06	800.00	7.48697E-15	117.00	3771.6		
4.60309E+06	1000.0	8.34612E-15	116.53	3771.6		
4.60309E+06	1500.0	8.85918E-15	116.27	3771.6		
4.60309E+06	2000.0	9.24784E-15	116.08	3771.6		
4.60309E+06	3000.0	9.26779E-15	116.07	3771.6		
4.60309E+06	4000.0	0.		3771.6		

SOURCE LEVEL= 210.00 SOURCE NO 1 GROUP 4

BOTTOM LEVEL

TR LOSS

INTENSITY

RECEIVER DEPTH

RANGE

1.50172E+06	100.00	2.95998E-12	92.419	11053
1.50172E+06	200.00	6.03351E-12	89.327	11053
1.50172E+06	400.00	9.29490E-12	87.450	11053
1.50172E+06	600.00	1.26848E-11	86.099	11053
1.50172E+06	800.00	1.61397E-11	85.053	11053
1.50172E+06	1000.0	1.95969E-11	84.210	11053
1.50172E+06	1500.0	2.28352E-11	83.546	11053
1.50172E+06	2000.0	2.56952E-11	83.034	11053
1.50172E+06	3000.0	2.79768E-11	82.664	11053
1.50172E+06	4000.0	2.97838E-11	82.393	11053

2.18892E+06	100.00	5.09590E-13	99.726	9389.0
2.18892E+06	200.00	1.02989E-12	96.670	9389.0
2.18892E+06	400.00	1.55962E-12	94.868	9389.0
2.18892E+06	600.00	2.08228E-12	93.613	9389.0
2.18892E+06	800.00	2.58207E-12	92.678	9389.0
2.18892E+06	1000.0	3.04534E-12	91.962	9389.0
2.18892E+06	1500.0	3.38014E-12	91.509	9389.0
2.18892E+06	2000.0	3.58078E-12	91.258	9389.0
2.18892E+06	3000.0	3.63240E-12	91.196	9389.0
2.18892E+06	4000.0	3.68281E-12	91.136	9389.0

3.10619E+06	100.00	4.25308E-13	100.95	12086
3.10619E+06	200.00	8.73053E-13	97.828	12086
3.10619E+06	400.00	1.36371E-12	95.891	12086
3.10619E+06	600.00	1.89372E-12	94.465	12086
3.10619E+06	800.00	2.45859E-12	93.331	12086
3.10619E+06	1000.0	3.05319E-12	92.391	12086
3.10619E+06	1500.0	3.69894E-12	91.557	12086
3.10619E+06	2000.0	4.37021E-12	90.833	12086
3.10619E+06	3000.0	5.10791E-12	90.156	12086
3.10619E+06	4000.0	6.06176E-12	89.412	12086



SOURCE LEVEL= 210.00		SOURCE NO	2	GROUP	4	
RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS	BOTTOM LEVEL		
3.11519E+06	100.00	8.45183E-13	97.737	10693		
3.11519E+06	200.00	1.72338E-12	94.642	10693		
3.11519E+06	400.00	2.65556E-12	92.765	10693		
3.11519E+06	600.00	3.62346E-12	91.415	10693		
3.11519E+06	800.00	4.60911E-12	90.370	10693		
3.11519E+06	1000.0	5.59721E-12	89.526	10693		
3.11519E+06	1500.0	6.56191E-12	88.836	10693		
3.11519E+06	2000.0	7.56029E-12	88.221	10693		
3.11519E+06	3000.0	9.12124E-12	87.406	10693		
3.11519E+06	4000.0	1.13195E-11	86.468	10693		
3.48087E+06	100.00	2.43336E-13	103.25	11243		
3.48087E+06	200.00	4.95996E-13	100.16	11243		
3.48087E+06	400.00	7.64114E-13	98.283	11243		
3.48087E+06	600.00	1.04292E-12	96.932	11243		
3.48087E+06	800.00	1.32736E-12	95.885	11243		
3.48087E+06	1000.0	1.61247E-12	95.040	11243		
3.48087E+06	1500.0	1.88096E-12	94.371	11243		
3.48087E+06	2000.0	2.11689E-12	93.858	11243		
3.48087E+06	3000.0	2.27869E-12	93.538	11243		
3.48087E+06	4000.0	2.36810E-12	93.371	11243		
3.61488E+06	100.00	2.54612E-13	103.21	11977		
3.61488E+06	200.00	5.20092E-13	100.11	11977		
3.61488E+06	400.00	8.05286E-13	98.213	11977		
3.61488E+06	600.00	1.10717E-12	96.831	11977		
3.61488E+06	800.00	1.42257E-12	95.742	11977		
3.61488E+06	1000.0	1.74838E-12	94.846	11977		
3.61488E+06	1500.0	2.08882E-12	94.074	11977		
3.61488E+06	2000.0	2.43219E-12	93.413	11977		
3.61488E+06	3000.0	2.74661E-12	92.885	11977		
3.61488E+06	4000.0	2.96121E-12	92.558	11977		

SOURCE LEVEL=	210.00	SOURCE NO	3	GROUP	4	
RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS	BOTTOM LEVEL		
4.6A267E+06	100.00	8.31438E-13	97.645	9577.4		
4.6A267E+06	200.00	1.69154E-12	94.560	9577.4		
4.6A267E+06	400.00	2.59191E-12	92.707	9577.4		
4.6A267E+06	600.00	3.50758E-12	91.393	9577.4		
4.6A267E+06	800.00	4.41277E-12	90.396	9577.4		
4.6A267E+06	1000.0	5.28308E-12	89.614	9577.4		
4.6A267E+06	1500.0	5.98375E-12	89.073	9577.4		
4.6A267E+06	2000.0	6.46272E-12	88.739	9577.4		
4.6A267E+06	3000.0	6.60863E-12	88.642	9577.4		
4.6A267E+06	4000.0	6.65958E-12	88.609	9577.4		
4.91088E+06	100.00	2.18390E-13	103.50	9827.5		
4.91088E+06	200.00	4.54534E-13	100.32	9827.5		
4.91088E+06	400.00	7.27286E-13	98.278	9827.5		
4.91088E+06	600.00	1.03A06E-12	96.733	9827.5		
4.91088E+06	800.00	1.38A42E-12	95.470	9827.5		
4.91088E+06	1000.0	1.78030E-12	94.390	9827.5		
4.91088E+06	1500.0	2.28571E-12	93.305	9827.5		
4.91088E+06	2000.0	2.90A80E-12	92.258	9827.5		
4.91088E+06	3000.0	3.61555E-12	91.313	9827.5		
4.91088E+06	4000.0	4.07234E-12	90.797	9827.5		
4.60309E+06	100.00	2.91367E-13	100.57	3771.6		
4.60309E+06	200.00	6.44159E-13	97.121	3771.6		
4.60309E+06	400.00	1.17451E-12	94.513	3771.6		
4.60309E+06	600.00	1.98299E-12	92.238	3771.6		
4.60309E+06	800.00	3.16516E-12	90.207	3771.6		
4.60309E+06	1000.0	4.73723E-12	88.456	3771.6		
4.60309E+06	1500.0	6.50629E-12	87.078	3771.6		
4.60309E+06	2000.0	7.26A03E-12	86.597	3771.6		
4.60309E+06	3000.0	7.27550E-12	86.593	3771.6		
4.60309E+06	4000.0	0.		3771.6		

SOURCE LEVEL=	410.00	SOURCE NO	1	GROUP	4	
RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS	BOTTOM LEVEL		
1.50172E+06	100.00	1.10891E-12	96.656	11053		
1.50172E+06	200.00	2.25373E-12	93.576	11053		
1.50172E+06	400.00	3.45256E-12	91.724	11053		
1.50172E+06	600.00	4.67939E-12	90.403	11053		
1.50172E+06	800.00	5.90737E-12	89.391	11053		
1.50172E+06	1000.0	7.11078E-12	88.586	11053		
1.50172E+06	1500.0	8.16411E-12	87.986	11053		
1.50172E+06	2000.0	9.00693E-12	87.560	11053		
1.50172E+06	3000.0	9.52341E-12	87.317	11053		
1.50172E+06	4000.0	9.90995E-12	87.145	11053		
2.18892E+06	100.00	4.94170E-13	99.832	9389.0		
2.18892E+06	200.00	1.01339E-12	96.713	9389.0		
2.18892E+06	400.00	1.57430E-12	94.800	9389.0		
2.18892E+06	600.00	2.16325E-12	93.420	9389.0		
2.18892E+06	800.00	2.76462E-12	92.355	9389.0		
2.18892E+06	1000.0	3.36210E-12	91.505	9389.0		
2.18892E+06	1500.0	3.88649E-12	90.876	9389.0		
2.18892E+06	2000.0	4.28400E-12	90.453	9389.0		
2.18892E+06	3000.0	4.46773E-12	90.270	9389.0		
2.18892E+06	4000.0	4.57919E-12	90.163	9389.0		
3.10619E+06	100.00	1.07198E-13	106.91	12086		
3.10619E+06	200.00	2.18470E-13	103.82	12086		
3.10619E+06	400.00	3.36589E-13	101.94	12086		
3.10619E+06	600.00	4.59543E-13	100.59	12086		
3.10619E+06	800.00	5.85084E-13	99.539	12086		
3.10619E+06	1000.0	7.10858E-13	98.693	12086		
3.10619E+06	1500.0	8.27456E-13	98.034	12086		
3.10619E+06	2000.0	9.24460E-13	97.552	12086		
3.10619E+06	3000.0	9.76064E-13	97.317	12086		
3.10619E+06	4000.0	1.00113E-12	97.206	12086		

SOURCE LEVEL= 410.00

GROUP

2

SOURCE NO

BOTTOM LEVEL

TR LOSS

INTENSITY

RECEIVER DEPTH

RANGE

3.11519E+06	100.00	9.01630E-14	107.43	10693
3.11519E+06	200.00	1.83361E-13	104.35	10693
3.11519E+06	400.00	2.81161E-13	102.49	10693
3.11519E+06	600.00	3.81446E-13	101.16	10693
3.11519E+06	800.00	4.82073E-13	100.15	10693
3.11519E+06	1000.0	5.81071E-13	99.337	10693
3.11519E+06	1500.0	6.69870E-13	98.719	10693
3.11519E+06	2000.0	7.45883E-13	98.252	10693
3.11519E+06	3000.0	8.08809E-13	97.900	10693
3.11519E+06	4000.0	8.72629E-13	97.571	10693

3.48087E+06	100.00	5.97043E-14	109.33	11243
3.48087E+06	200.00	1.22067E-13	106.22	11243
3.48087E+06	400.00	1.88906E-13	104.33	11243
3.48087E+06	600.00	2.58869E-13	102.96	11243
3.48087E+06	800.00	3.30392E-13	101.90	11243
3.48087E+06	1000.0	4.01808E-13	101.05	11243
3.48087E+06	1500.0	4.66033E-13	100.40	11243
3.48087E+06	2000.0	5.16003E-13	99.961	11243
3.48087E+06	3000.0	5.35936E-13	99.796	11243
3.48087E+06	4000.0	5.41066E-13	99.755	11243

3.61488E+06	100.00	1.74292E-13	104.83	11977
3.61488E+06	200.00	3.55098E-13	101.74	11977
3.61488E+06	400.00	5.46863E-13	99.867	11977
3.61488E+06	600.00	7.46422E-13	98.516	11977
3.61488E+06	800.00	9.50282E-13	97.467	11977
3.61488E+06	1000.0	1.15482E-12	96.620	11977
3.61488E+06	1500.0	1.34602E-12	95.955	11977
3.61488E+06	2000.0	1.50733E-12	95.463	11977
3.61488E+06	3000.0	1.59291E-12	95.224	11977
3.61488E+06	4000.0	1.62332E-12	95.141	11977

SOURCE LEVEL=	410.00	SOURCE NO	3	GROUP	4	
RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS	BOTTOM LEVEL		
4.68267E+06	100.00	1.63090E-14	114.69	9577.4		
4.68267E+06	200.00	3.31844E-14	111.60	9577.4		
4.68267E+06	400.00	5.07779E-14	109.75	9577.4		
4.68267E+06	600.00	6.84826E-14	108.45	9577.4		
4.68267E+06	800.00	8.56816E-14	107.48	9577.4		
4.68267E+06	1000.0	1.01813E-13	106.73	9577.4		
4.68267E+06	1500.0	1.13629E-13	106.26	9577.4		
4.68267E+06	2000.0	1.20697E-13	105.99	9577.4		
4.68267E+06	3000.0	1.22923E-13	105.91	9577.4		
4.68267E+06	4000.0	1.26132E-13	105.80	9577.4		
4.91088E+06	100.00	7.27653E-15	118.24	9827.5		
4.91088E+06	200.00	1.48350E-14	115.15	9827.5		
4.91088E+06	400.00	2.27977E-14	113.28	9827.5		
4.91088E+06	600.00	3.09254E-14	111.96	9827.5		
4.91088E+06	800.00	3.89663E-14	110.96	9827.5		
4.91088E+06	1000.0	4.66806E-14	110.17	9827.5		
4.91088E+06	1500.0	5.27873E-14	109.64	9827.5		
4.91088E+06	2000.0	5.68633E-14	109.31	9827.5		
4.91088E+06	3000.0	5.81909E-14	109.21	9827.5		
4.91088E+06	4000.0	5.88507E-14	109.17	9827.5		
4.60309E+06	100.00	7.31913E-15	116.53	3771.6		
4.60309E+06	200.00	1.58898E-14	113.17	3771.6		
4.60309E+06	400.00	2.65281E-14	110.94	3771.6		
4.60309E+06	600.00	3.81292E-14	109.37	3771.6		
4.60309E+06	800.00	4.92988E-14	108.25	3771.6		
4.60309E+06	1000.0	5.88464E-14	107.48	3771.6		
4.60309E+06	1500.0	6.28037E-14	107.20	3771.6		
4.60309E+06	2000.0	6.36580E-14	107.14	3771.6		
4.60309E+06	3000.0	6.36725E-14	107.14	3771.6		
4.60309E+06	4000.0	0.	0.	3771.6		

SOURCE LEVEL= 610.00		SOURCE NO	1	GROUP	4		
RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS	BOTTOM LEVEL			
1.50172E+06	100.00	6.69072E-13	98.801	11053			
1.50172E+06	200.00	1.35781E-12	95.727	11053			
1.50172E+06	400.00	2.07375E-12	93.888	11053			
1.50172E+06	600.00	2.79912E-12	92.586	11053			
1.50172E+06	800.00	3.51553E-12	91.596	11053			
1.50172E+06	1000.0	4.20529E-12	90.818	11053			
1.50172E+06	1500.0	4.76725E-12	90.273	11053			
1.50172E+06	2000.0	5.16075E-12	89.929	11053			
1.50172E+06	3000.0	5.30631E-12	89.808	11053			
1.50172E+06	4000.0	5.41680E-12	89.718	11053			
2.18892E+06	100.00	5.48919E-13	99.326	9389.0			
2.18892E+06	200.00	1.12081E-12	96.226	9389.0			
2.18892E+06	400.00	1.72647E-12	94.350	9389.0			
2.18892E+06	600.00	2.34728E-12	93.016	9389.0			
2.18892E+06	800.00	2.96330E-12	92.004	9389.0			
2.18892E+06	1000.0	3.55524E-12	91.213	9389.0			
2.18892E+06	1500.0	4.02255E-12	90.676	9389.0			
2.18892E+06	2000.0	4.33162E-12	90.355	9389.0			
2.18892E+06	3000.0	4.44854E-12	90.239	9389.0			
2.18892E+06	4000.0	4.55831E-12	90.133	9389.0			
3.10619E+06	100.00	8.61383E-14	107.81	12086			
3.10619E+06	200.00	1.76646E-13	104.69	12086			
3.10619E+06	400.00	2.75151E-13	102.77	12086			
3.10619E+06	600.00	3.80369E-13	101.36	12086			
3.10619E+06	800.00	4.90713E-13	100.25	12086			
3.10619E+06	1000.0	6.04378E-13	99.349	12086			
3.10619E+06	1500.0	7.17098E-13	98.600	12086			
3.10619E+06	2000.0	8.21134E-13	98.018	12086			
3.10619E+06	3000.0	8.89999E-13	97.668	12086			
3.10619E+06	4000.0	9.30558E-13	97.474	12086			

SOURCE LEVEL= 610.00		SOURCE NO	GROUP	4	
RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS	BOTTOM LEVEL	
3.11519E+06	100.00	2.07966E-13	103.75	10693	
3.11519E+06	200.00	4.25171E-13	100.64	10693	
3.11519E+06	400.00	6.57934E-13	98.747	10693	
3.11519E+06	600.00	9.01647E-13	97.379	10693	
3.11519E+06	800.00	1.15113E-12	96.318	10693	
3.11519E+06	1000.0	1.40101E-12	95.464	10693	
3.11519E+06	1500.0	1.63028E-12	94.806	10693	
3.11519E+06	2000.0	1.81768E-12	94.334	10693	
3.11519E+06	3000.0	1.91324E-12	94.111	10693	
3.11519E+06	4000.0	1.95501E-12	94.017	10693	
3.48087E+06	100.00	1.28459E-13	105.95	11243	
3.48087E+06	200.00	2.61642E-13	102.86	11243	
3.48087E+06	400.00	4.02470E-13	100.99	11243	
3.48087E+06	600.00	5.48322E-13	99.647	11243	
3.48087E+06	800.00	6.96522E-13	98.608	11243	
3.48087E+06	1000.0	8.44592E-13	97.771	11243	
3.48087E+06	1500.0	9.84700E-13	97.104	11243	
3.48087E+06	2000.0	1.11402E-12	96.569	11243	
3.48087E+06	3000.0	1.23735E-12	96.113	11243	
3.48087E+06	4000.0	1.36137E-12	95.698	11243	
3.61488E+06	100.00	1.27057E-13	106.16	11977	
3.61488E+06	200.00	2.57766E-13	103.08	11977	
3.61488E+06	400.00	3.93872E-13	101.24	11977	
3.61488E+06	600.00	5.32604E-13	99.931	11977	
3.61488E+06	800.00	6.71084E-13	98.928	11977	
3.61488E+06	1000.0	8.06516E-13	98.129	11977	
3.61488E+06	1500.0	9.24144E-13	97.538	11977	
3.61488E+06	2000.0	1.01550E-12	97.129	11977	
3.61488E+06	3000.0	1.05782E-12	96.951	11977	
3.61488E+06	4000.0	1.07547E-12	96.679	11977	



SOURCE LEVEL= 610.00		SOURCE NO	GROUP	4	BOTTOM LEVEL	
RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS			
4.68267E+06	100.00	5.38755E-15	119.44			9577.4
4.68267E+06	200.00	1.10322E-14	116.32			9577.4
4.68267E+06	400.00	1.70807E-14	114.43			9577.4
4.68267E+06	600.00	2.33604E-14	113.07			9577.4
4.68267E+06	800.00	2.96819E-14	112.03			9577.4
4.68267E+06	1000.0	3.58580E-14	111.20			9577.4
4.68267E+06	1500.0	4.10123E-14	110.62			9577.4
4.68267E+06	2000.0	4.47687E-14	110.25			9577.4
4.68267E+06	3000.0	4.62485E-14	110.10			9577.4
4.68267E+06	4000.0	4.71333E-14	110.02			9577.4
4.91088E+06	100.00	6.69288E-15	118.55			9827.5
4.91088E+06	200.00	1.36717E-14	115.44			9827.5
4.91088E+06	400.00	2.10787E-14	113.56			9827.5
4.91088E+06	600.00	2.86955E-14	112.22			9827.5
4.91088E+06	800.00	3.62906E-14	111.20			9827.5
4.91088E+06	1000.0	4.36421E-14	110.40			9827.5
4.91088E+06	1500.0	4.96477E-14	109.84			9827.5
4.91088E+06	2000.0	5.38844E-14	109.49			9827.5
4.91088E+06	3000.0	5.55145E-14	109.36			9827.5
4.91088E+06	4000.0	5.62569E-14	109.30			9827.5
4.60309E+06	100.00	3.66057E-15	119.33			3771.6
4.60309E+06	200.00	7.94982E-15	115.96			3771.6
4.60309E+06	400.00	1.32612E-14	113.74			3771.6
4.60309E+06	600.00	1.89899E-14	112.18			3771.6
4.60309E+06	800.00	2.43756E-14	111.09			3771.6
4.60309E+06	1000.0	2.88016E-14	110.37			3771.6
4.60309E+06	1500.0	3.04226E-14	110.13			3771.6
4.60309E+06	2000.0	3.09207E-14	110.06			3771.6
4.60309E+06	3000.0	3.10366E-14	110.04			3771.6
4.60309E+06	4000.0	0.				3771.6

SOURCE LEVEL= 20.00 SOURCE NO 1 GROUP 5

RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS	BOTTOM LEVEL
4.04369E+06	100.00	1.95911E-15	123.22	5030.6
4.04369E+06	200.00	4.01637E-15	120.11	5030.6
4.04369E+06	400.00	6.12294E-15	118.27	5030.6
4.04369E+06	600.00	8.08043E-15	117.07	5030.6
4.04369E+06	800.00	9.73443E-15	116.26	5030.6
4.04369E+06	1000.0	1.10083E-14	115.73	5030.6
4.04369E+06	1500.0	1.14636E-14	115.55	5030.6
4.04369E+06	2000.0	1.15853E-14	115.50	5030.6
4.04369E+06	3000.0	1.16333E-14	115.49	5030.6
4.04369E+06	4000.0	1.16703E-14	115.47	5030.6
1.98756E+06	100.00	2.14640E-14	113.04	6270.0
1.98756E+06	200.00	4.38198E-14	109.94	6270.0
1.98756E+06	400.00	6.68128E-14	108.11	6270.0
1.98756E+06	600.00	8.88482E-14	106.87	6270.0
1.98756E+06	800.00	1.08548E-13	106.00	6270.0
1.98756E+06	1000.0	1.25020E-13	105.39	6270.0
1.98756E+06	1500.0	1.33286E-13	105.11	6270.0
1.98756E+06	2000.0	1.37073E-13	104.99	6270.0
1.98756E+06	3000.0	1.38325E-13	104.95	6270.0
1.98756E+06	4000.0	1.38767E-13	104.94	6270.0
4.00788E+06	100.00	3.15283E-15	117.29	330.81
4.00788E+06	200.00	3.87605E-15	116.39	330.81
4.00788E+06	400.00	0.		330.81
4.00788E+06	600.00	0.		330.81
4.00788E+06	800.00	0.		330.81
4.00788E+06	1000.0	0.		330.81
4.00788E+06	1500.0	0.		330.81
4.00788E+06	2000.0	0.		330.81
4.00788E+06	3000.0	0.		330.81
4.00788E+06	4000.0	0.		330.81

SOURCE LEVEL= 20.00		SOURCE NO	2	GROUP	5	
RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS	BOTTOM LEVEL		
2.87064E+06	100.00	1.65552E-16	129.29	163.14		
2.87064E+06	200.00	0.		163.14		
2.87064E+06	400.00	0.		163.14		
2.87064E+06	600.00	0.		163.14		
2.87064E+06	800.00	0.		163.14		
2.87064E+06	1000.0	0.		163.14		
2.87064E+06	1500.0	0.		163.14		
2.87064E+06	2000.0	0.		163.14		
2.87064E+06	3000.0	0.		163.14		
2.87064E+06	4000.0	0.		163.14		
2.48681E+06	100.00	3.20492E-15	117.83	604.71		
2.48681E+06	200.00	4.12306E-15	116.73	604.71		
2.48681E+06	400.00	4.41797E-15	116.43	604.71		
2.48681E+06	600.00	4.43098E-15	116.42	604.71		
2.48681E+06	800.00	0.		604.71		
2.48681E+06	1000.0	0.		604.71		
2.48681E+06	1500.0	0.		604.71		
2.48681E+06	2000.0	0.		604.71		
2.48681E+06	3000.0	0.		604.71		
2.48681E+06	4000.0	0.		604.71		
1.59391E+06	100.00	1.55531E-14	108.94	136.67		
1.59391E+06	200.00	0.		136.67		
1.59391E+06	400.00	0.		136.67		
1.59391E+06	600.00	0.		136.67		
1.59391E+06	800.00	0.		136.67		
1.59391E+06	1000.0	0.		136.67		
1.59391E+06	1500.0	0.		136.67		
1.59391E+06	2000.0	0.		136.67		
1.59391E+06	3000.0	0.		136.67		
1.59391E+06	4000.0	0.		136.67		

SOURCE LEVEL= 20.00

SOURCE NO 3

GROUP 5

5

RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS	BOTTOM LEVEL
4.22600E+06	100.00	9.13639E-17	132.75	361.11
4.22600E+06	200.00	1.13710E-16	131.80	361.11
4.22600E+06	400.00	0.		361.11
4.22600E+06	600.00	0.		361.11
4.22600E+06	800.00	0.		361.11
4.22600E+06	1000.0	0.		361.11
4.22600E+06	1500.0	0.		361.11
4.22600E+06	2000.0	0.		361.11
4.22600E+06	3000.0	0.		361.11
4.22600E+06	4000.0	0.		361.11
3.04460E+06	100.00	1.16498E-15	121.96	465.60
3.04460E+06	200.00	1.42003E-15	121.11	465.60
3.04460E+06	400.00	1.42046E-15	121.10	465.60
3.04460E+06	600.00	0.		465.60
3.04460E+06	800.00	0.		465.60
3.04460E+06	1000.0	0.		465.60
3.04460E+06	1500.0	0.		465.60
3.04460E+06	2000.0	0.		465.60
3.04460E+06	3000.0	0.		465.60
3.04460E+06	4000.0	0.		465.60
3.16078E+06	100.00	1.68219E-15	118.66	138.17
3.16078E+06	200.00	0.		138.17
3.16078E+06	400.00	0.		138.17
3.16078E+06	600.00	0.		138.17
3.16078E+06	800.00	0.		138.17
3.16078E+06	1000.0	0.		138.17
3.16078E+06	1500.0	0.		138.17
3.16078E+06	2000.0	0.		138.17
3.16078E+06	3000.0	0.		138.17
3.16078E+06	4000.0	0.		138.17

SOURCE LEVEL= 20.00 SOURCE NO 4 GROUP 5

RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS	BOTTOM LEVEL
5.66074E+06	100.00	4.18284E-18	145.95	208.53
5.66074E+06	200.00	5.06981E-18	145.11	208.53
5.66074E+06	400.00	0.		208.53
5.66074E+06	600.00	0.		208.53
5.66074E+06	800.00	0.		208.53
5.66074E+06	1000.0	0.		208.53
5.66074E+06	1500.0	0.		208.53
5.66074E+06	2000.0	0.		208.53
5.66074E+06	3000.0	0.		208.53
5.66074E+06	4000.0	0.		208.53
4.13262E+06	100.00	5.98361E-17	134.55	232.57
4.13262E+06	200.00	6.06758E-17	134.49	232.57
4.13262E+06	400.00	0.		232.57
4.13262E+06	600.00	0.		232.57
4.13262E+06	800.00	0.		232.57
4.13262E+06	1000.0	0.		232.57
4.13262E+06	1500.0	0.		232.57
4.13262E+06	2000.0	0.		232.57
4.13262E+06	3000.0	0.		232.57
4.13262E+06	4000.0	0.		232.57
4.69381E+06	100.00	3.20406E-18	144.31	115.65
4.69381E+06	200.00	0.		115.65
4.69381E+06	400.00	0.		115.65
4.69381E+06	600.00	0.		115.65
4.69381E+06	800.00	0.		115.65
4.69381E+06	1000.0	0.		115.65
4.69381E+06	1500.0	0.		115.65
4.69381E+06	2000.0	0.		115.65
4.69381E+06	3000.0	0.		115.65
4.69381E+06	4000.0	0.		115.65

SOURCE LEVEL= 210.00		SOURCE NO	GROUP	5		
RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS	BOTTOM LEVEL		
4.04369E+06	100.00	5.55953E-13	98.246	5030.6		
4.04369E+06	200.00	1.24262E-12	94.753	5030.6		
4.04369E+06	400.00	2.21814E-12	92.237	5030.6		
4.04369E+06	600.00	3.47371E-12	90.288	5030.6		
4.04369E+06	800.00	4.93323E-12	88.765	5030.6		
4.04369E+06	1000.0	6.46379E-12	87.592	5030.6		
4.04369E+06	1500.0	7.58164E-12	86.899	5030.6		
4.04369E+06	2000.0	8.08072E-12	86.622	5030.6		
4.04369E+06	3000.0	8.30293E-12	86.504	5030.6		
4.04369E+06	4000.0	9.51606E-12	85.912	5030.6		
1.98756E+06	100.00	1.25094E-11	85.050	6270.0		
1.98756E+06	200.00	2.58201E-11	81.903	6270.0		
1.98756E+06	400.00	4.00683E-11	79.994	6270.0		
1.98756E+06	600.00	5.42777E-11	78.676	6270.0		
1.98756E+06	800.00	6.75793E-11	77.724	6270.0		
1.98756E+06	1000.0	7.94058E-11	77.024	6270.0		
1.98756E+06	1500.0	8.73131E-11	76.611	6270.0		
1.98756E+06	2000.0	9.27096E-11	76.351	6270.0		
1.98756E+06	3000.0	9.43891E-11	76.273	6270.0		
1.98756E+06	4000.0	9.47597E-11	76.256	6270.0		
4.00788E+06	100.00	2.67758E-14	101.01	330.81		
4.00788E+06	200.00	6.92352E-14	96.879	330.81		
4.00788E+06	400.00	0.		330.81		
4.00788E+06	600.00	0.		330.81		
4.00788E+06	800.00	0.		330.81		
4.00788E+06	1000.0	0.		330.81		
4.00788E+06	1500.0	0.		330.81		
4.00788E+06	2000.0	0.		330.81		
4.00788E+06	3000.0	0.		330.81		
4.00788E+06	4000.0	0.		330.81		

SOURCE LEVEL= 410.00 SOURCE NO 1 GROUP 5

RANGE	RECEIVER DEPTH	INTENSITY	TR LOSS	BOTTOM LEVEL
4.04369E+06	100.00	5.43093E-14	108.30	5030.6
4.04369E+06	200.00	1.15956E-13	105.01	5030.6
4.04369E+06	400.00	1.88582E-13	102.89	5030.6
4.04369E+06	600.00	2.64516E-13	101.42	5030.6
4.04369E+06	800.00	3.34975E-13	100.40	5030.6
4.04369E+06	1000.0	3.93010E-13	99.704	5030.6
4.04369E+06	1500.0	4.14342E-13	99.475	5030.6
4.04369E+06	2000.0	4.18364E-13	99.433	5030.6
4.04369E+06	3000.0	4.18469E-13	99.430	5030.6
4.04369E+06	4000.0	4.18842E-13	99.428	5030.6
1.98756E+06	100.00	4.72609E-13	99.281	6270.0
1.98756E+06	200.00	9.98428E-13	96.033	6270.0
1.98756E+06	400.00	1.61846E-12	93.935	6270.0
1.98756E+06	600.00	2.30778E-12	92.394	6270.0
1.98756E+06	800.00	3.03647E-12	91.203	6270.0
1.98756E+06	1000.0	3.77559E-12	90.256	6270.0
1.98756E+06	1500.0	4.44442E-12	89.548	6270.0
1.98756E+06	2000.0	4.94167E-12	89.087	6270.0
1.98756E+06	3000.0	5.04365E-12	88.999	6270.0
1.98756E+06	4000.0	5.08514E-12	88.963	6270.0
4.00788E+06	100.00	0.	0.	330.81
4.00788E+06	200.00	0.	0.	330.81
4.00788E+06	400.00	0.	0.	330.81
4.00788E+06	600.00	0.	0.	330.81
4.00788E+06	800.00	0.	0.	330.81
4.00788E+06	1000.0	0.	0.	330.81
4.00788E+06	1500.0	0.	0.	330.81
4.00788E+06	2000.0	0.	0.	330.81
4.00788E+06	3000.0	0.	0.	330.81
4.00788E+06	4000.0	0.	0.	330.81



SOURCE LEVEL= 610.00		SOURCE NO	GROUP	TR LOSS	BOTTOM LEVEL
RANGE	RECEIVER DEPTH	INTENSITY			
4.04369E+06	100.00	1.73011E-13	1	103.18	5030.6
4.04369E+06	200.00	3.73702E-13		99.833	5030.6
4.04369E+06	400.00	6.23054E-13		97.613	5030.6
4.04369E+06	600.00	9.02926E-13		96.002	5030.6
4.04369E+06	800.00	1.18A65E-12		94.808	5030.6
4.04369E+06	1000.0	1.45604E-12		93.927	5030.6
4.04369E+06	1500.0	1.61A05E-12		93.469	5030.6
4.04369E+06	2000.0	1.68030E-12		93.305	5030.6
4.04369E+06	3000.0	1.68214E-12		93.300	5030.6
4.04369E+06	4000.0	1.68217E-12		93.300	5030.6
1.9A756E+06	100.00	6.41189E-13		97.867	6270.0
1.9A756E+06	200.00	1.35710E-12		94.610	6270.0
1.9A756E+06	400.00	2.20416E-12		92.504	6270.0
1.9A756E+06	600.00	3.14071E-12		90.966	6270.0
1.9A756E+06	800.00	4.11074E-12		89.797	6270.0
1.9A756E+06	1000.0	5.05489E-12		88.899	6270.0
1.9A756E+06	1500.0	5.75507E-12		88.336	6270.0
1.9A756E+06	2000.0	6.22730E-12		87.993	6270.0
1.9A756E+06	3000.0	6.71224E-12		87.668	6270.0
1.9A756E+06	4000.0	6.88666E-12		87.556	6270.0
4.00788E+06	100.00	0.		0.	330.81
4.00788E+06	200.00	0.		0.	330.81
4.00788E+06	400.00	0.		0.	330.81
4.00788E+06	600.00	0.		0.	330.81
4.00788E+06	800.00	0.		0.	330.81
4.00788E+06	1000.0	0.		0.	330.81
4.00788E+06	1500.0	0.		0.	330.81
4.00788E+06	2000.0	0.		0.	330.81
4.00788E+06	3000.0	0.		0.	330.81
4.00788E+06	4000.0	0.		0.	330.81